

# Pete Burnap

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/7370519/pete-burnap-publications-by-year.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

85  
papers

2,516  
citations

23  
h-index

49  
g-index

95  
ext. papers

3,317  
ext. citations

3.4  
avg, IF

5.78  
L-index

#	Paper	IF	Citations
85	Disrupting networks of hate: characterising hateful networks and removing critical nodes. <i>Social Network Analysis and Mining</i> , <b>2022</b> , 12, 1	2.2	0
84	A Configurable Dependency Model of a SCADA System for Goal-Oriented Risk Assessment. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 4880	2.6	2
83	Bane or Boon: Measuring the effect of evasive malware on system call classifiers. <i>Journal of Information Security and Applications</i> , <b>2022</b> , 67, 103202	3.5	
82	Cyberattacks and Countermeasures for In-Vehicle Networks. <i>ACM Computing Surveys</i> , <b>2021</b> , 54, 1-37	13.4	16
81	Epistemological Equation for Analysing Uncontrollable States in Complex Systems: Quantifying Cyber Risks from the Internet of Things.. <i>The Review of Socionetwork Strategies</i> , <b>2021</b> , 15, 381-411	0.6	7
80	Chatty Devices and edge-based activity classification. <i>Discover Internet of Things</i> , <b>2021</b> , 1, 1		0
79	Unsupervised Learning for Product Use Activity Recognition: An Exploratory Study of a "Chatty Device". <i>Sensors</i> , <b>2021</b> , 21,	3.8	3
78	A three-tiered intrusion detection system for industrial control systems. <i>Translational Research in Oral Oncology</i> , <b>2021</b> , 7,	3.8	3
77	Real-Time Malware Process Detection and Automated Process Killing. <i>Security and Communication Networks</i> , <b>2021</b> , 2021, 1-23	1.9	
76	Social media forensics applied to assessment of post-critical incident social reaction: The case of the 2017 Manchester Arena terrorist attack. <i>Forensic Science International</i> , <b>2020</b> , 313, 110364	2.6	6
75	Antisemitism on Twitter: Collective Efficacy and the Role of Community Organisations in Challenging Online Hate Speech. <i>Social Media and Society</i> , <b>2020</b> , 6, 205630512091685	2.3	6
74	Impact and Key Challenges of Insider Threats on Organizations and Critical Businesses. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 1460	2.6	9
73	Emotions Behind Drive-by Download Propagation on Twitter. <i>ACM Transactions on the Web</i> , <b>2020</b> , 14, 1-26	3.2	2
72	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. <i>Safety in Extreme Environments</i> , <b>2020</b> , 2, 219-230	0.8	10
71	Challenges and performance metrics for security operations center analysts: a systematic review. <i>Journal of Cyber Security Technology</i> , <b>2020</b> , 4, 125-152	1.3	16
70	Towards a Framework for Measuring the Performance of a Security Operations Center Analyst <b>2020</b> ,		2
69	PharmaCrypt: Blockchain for Critical Pharmaceutical Industry to Counterfeit Drugs. <i>Computer</i> , <b>2020</b> , 53, 29-44	1.6	15

68	BLATTA: Early Exploit Detection on Network Traffic with Recurrent Neural Networks. <i>Security and Communication Networks</i> , <b>2020</b> , 2020, 1-15	1.9	2
67	Linking Twitter and Survey Data: The Impact of Survey Mode and Demographics on Consent Rates Across Three UK Studies. <i>Social Science Computer Review</i> , <b>2020</b> , 38, 517-532	3.1	19
66	Are youth suicide memorial sites on Facebook different from those for other sudden deaths?. <i>Death Studies</i> , <b>2020</b> , 44, 793-801	3.9	3
65	Dynamic real-time risk analytics of uncontrollable states in complex internet of things systems: cyber risk at the edge. <i>Environment Systems and Decisions</i> , <b>2020</b> , 41, 1-12	4.1	5
64	Getting to the root of the problem: A detailed comparison of kernel and user level data for dynamic malware analysis. <i>Journal of Information Security and Applications</i> , <b>2019</b> , 48, 102365	3.5	2
63	LAB to SOC: Robust Features for Dynamic Malware Detection <b>2019</b> ,		4
62	Hate in the Machine: Anti-Black and Anti-Muslim Social Media Posts as Predictors of Offline Racially and Religiously Aggravated Crime. <i>British Journal of Criminology</i> , <b>2019</b> ,	2.1	18
61	A Fuzzy Approach to Text Classification With Two-Stage Training for Ambiguous Instances. <i>IEEE Transactions on Computational Social Systems</i> , <b>2019</b> , 6, 227-240	4.5	24
60	The Number and Characteristics of Newspaper and Twitter Reports on Suicides and Road Traffic Deaths in Young People. <i>Archives of Suicide Research</i> , <b>2019</b> , 23, 507-522	2.3	6
59	The Enemy Among Us <i>ACM Transactions on the Web</i> , <b>2019</b> , 13, 1-26	3.2	21
58	Fuzzy Multi-task Learning for Hate Speech Type Identification <b>2019</b> ,		7
57	Chatty factories: a vision for the future of product design and manufacture with IoT <b>2019</b> ,		3
56	Privacy-Aware Cloud Ecosystems and GDPR Compliance <b>2019</b> ,		7
55	Prediction of drive-by download attacks on Twitter. <i>Information Processing and Management</i> , <b>2019</b> , 56, 1133-1145	6.3	9
54	Interaction and Transformation on Social Media: The Case of Twitter Campaigns. <i>Social Media and Society</i> , <b>2018</b> , 4, 205630511775072	2.3	17
53	EclipseIoT: A secure and adaptive hub for the Internet of Things. <i>Computers and Security</i> , <b>2018</b> , 78, 477-490	4.0	18
52	Future developments in cyber risk assessment for the internet of things. <i>Computers in Industry</i> , <b>2018</b> , 102, 14-22	11.6	58
51	Malware classification using self organising feature maps and machine activity data. <i>Computers and Security</i> , <b>2018</b> , 73, 399-410	4.9	58

50	Unsupervised Approach for Detecting Low Rate Attacks on Network Traffic with Autoencoder <b>2018</b>		8
49	Suspended Accounts: A Source of Tweets with Disgust and Anger Emotions for Augmenting Hate Speech Data Sample <b>2018</b> ,		8
48	Early-stage malware prediction using recurrent neural networks. <i>Computers and Security</i> , <b>2018</b> , 77, 578-594	10.9	105
47	SCADA System Forensic Analysis Within IIoT. <i>Springer Series in Advanced Manufacturing</i> , <b>2017</b> , 73-101	0.9	11
46	Determining and Sharing Risk Data in Distributed Interdependent Systems. <i>Computer</i> , <b>2017</b> , 50, 72-79	1.6	1
45	Towards an Ethical Framework for Publishing Twitter Data in Social Research: Taking into Account Users' Views, Online Context and Algorithmic Estimation. <i>Sociology</i> , <b>2017</b> , 51, 1149-1168	2.6	134
44	Can We Predict a Riot? Disruptive Event Detection Using Twitter. <i>ACM Transactions on Internet Technology</i> , <b>2017</b> , 17, 1-26	3.8	50
43	1st International Workshop on Search and Mining Terrorist Online Content & Advances in Data Science for Cyber Security and Risk on the Web <b>2017</b> ,		1
42	The Ethical Challenges of Publishing Twitter Data for Research Dissemination <b>2017</b> ,		23
41	Multi-class machine classification of suicide-related communication on Twitter. <i>Online Social Networks and Media</i> , <b>2017</b> , 2, 32-44	3.3	51
40	Automation of the supplier role in the GB power system using blockchain-based smart contracts. <i>CIREN - Open Access Proceedings Journal</i> , <b>2017</b> , 2017, 2619-2623	0.1	23
39	Chapter 2: Users' Views of Ethics in Social Media Research: Informed Consent, Anonymity, and Harm. <i>Advances in Research Ethics and Integrity</i> , <b>2017</b> , 27-52	0.2	14
38	A review of cyber security risk assessment methods for SCADA systems. <i>Computers and Security</i> , <b>2016</b> , 56, 1-27	4.9	282
37	Cyberhate on Social Media in the aftermath of Woolwich: A Case Study in Computational Criminology and Big Data. <i>British Journal of Criminology</i> , <b>2016</b> , 56, 211-238	2.1	93
36	Analysing the connectivity and communication of suicidal users on twitter. <i>Computer Communications</i> , <b>2016</b> , 73, 291-300	5.1	60
35	Analyzing Hadoop power consumption and impact on application QoS. <i>Future Generation Computer Systems</i> , <b>2016</b> , 55, 213-223	7.5	23
34	Us and them: identifying cyber hate on Twitter across multiple protected characteristics. <i>EPJ Data Science</i> , <b>2016</b> , 5, 11	3.4	119
33	140 characters to victory?: Using Twitter to predict the UK 2015 General Election. <i>Electoral Studies</i> , <b>2016</b> , 41, 230-233	1.2	108

32	Identifying cyber risk hotspots: A framework for measuring temporal variance in computer network risk. <i>Computers and Security</i> , <b>2016</b> , 57, 31-46	4.9	13
31	The Response in Twitter to an Assisted Suicide in a Television Soap Opera. <i>Crisis</i> , <b>2016</b> , 37, 392-395	2.8	5
30	Digital wildfires. <i>ACM SIGCAS Computers and Society</i> , <b>2016</b> , 45, 193-201	0	11
29	Temporal TF-IDF: A High Performance Approach for Event Summarization in Twitter <b>2016</b> ,		6
28	A Cyber Forensic Taxonomy for SCADA Systems in Critical Infrastructure. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 27-39	0.9	7
27	Crime Sensing with Big Data: The Affordances and Limitations of using Open Source Communications to Estimate Crime Patterns. <i>British Journal of Criminology</i> , <b>2016</b> , azw031	2.1	36
26	Digital Wildfires. <i>ACM Transactions on Information Systems</i> , <b>2016</b> , 34, 1-23	4.8	30
25	Machine Classification and Analysis of Suicide-Related Communication on Twitter <b>2015</b> ,		57
24	Detecting tension in online communities with computational Twitter analysis. <i>Technological Forecasting and Social Change</i> , <b>2015</b> , 95, 96-108	9.5	82
23	On the origin of PCDS [(Probability consequence diagrams)]. <i>Safety Science</i> , <b>2015</b> , 72, 229-239	5.8	43
22	Cyber Hate Speech on Twitter: An Application of Machine Classification and Statistical Modeling for Policy and Decision Making. <i>Policy and Internet</i> , <b>2015</b> , 7, 223-242	2.6	215
21	Identifying Disruptive Events from Social Media to Enhance Situational Awareness <b>2015</b> ,		5
20	'Digital Wildfires' <b>2015</b> ,		1
19	140 Characters to Victory?: Using Twitter to Predict the UK 2015 General Election. <i>SSRN Electronic Journal</i> , <b>2015</b> ,	1	7
18	Who tweets? Deriving the demographic characteristics of age, occupation and social class from twitter user meta-data. <i>PLoS ONE</i> , <b>2015</b> , 10, e0115545	3.7	176
17	Real-time Classification of Malicious URLs on Twitter using Machine Activity Data <b>2015</b> ,		10
16	Assessing Data Breach Risk in Cloud Systems <b>2015</b> ,		3
15	Feature Extraction and Analysis for Identifying Disruptive Events from Social Media <b>2015</b> ,		8

14	Arabic Event Detection in Social Media. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 384-401	0.9	13
13	Tweeting the terror: modelling the social media reaction to the Woolwich terrorist attack. <i>Social Network Analysis and Mining</i> , <b>2014</b> , 4, 1	2.2	113
12	Big and broad social data and the sociological imagination: A collaborative response. <i>Big Data and Society</i> , <b>2014</b> , 1, 205395171454513	5.3	51
11	Analysing Security requirements in Cloud-based Service Level Agreements <b>2014</b> ,		2
10	Knowing the Tweeters: Deriving Sociologically Relevant Demographics from Twitter. <i>Sociological Research Online</i> , <b>2013</b> , 18, 74-84	1	86
9	A naïve bayes approach to classifying topics in suicide notes. <i>Biomedical Informatics Insights</i> , <b>2012</b> , 5, 87-97	4.9	13
8	Self Protecting Data for De-perimeterised Information Sharing <b>2009</b> ,		5
7	MDSSF DA Federated Architecture for Product Procurement. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 812-821	0.9	2
6	Grid Based E-Procurement <b>2005</b> , 1		
5	Secure Virtual Organisations: Protocols and Requirements <b>2005</b> , 422-431		1
4	A Grid-Enabled Security Framework for Collaborative Virtual Organisations <b>2004</b> , 415-422		
3	Cybersecurity of Industrial Cyber-Physical Systems: A Review. <i>ACM Computing Surveys</i> ,	13.4	8
2	A Forensic Taxonomy of SCADA Systems and Approach to Incident Response		11
1	Private Lenders Demand for Audit. <i>SSRN Electronic Journal</i> ,	1	2