

Jun Zhang

List of Publications by Year in descending order

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133
papers

10,422
citations

136950

32
h-index

34986

98
g-index

138
all docs

138
docs citations

138
times ranked

7864
citing authors

#	ARTICLE	IF	CITATIONS
1	Intelligent detection of vulnerable functions in software through neural embedding-based code analysis. International Journal of Network Management, 2023, 33, .	2.2	4
2	Cyber Code Intelligence for Android Malware Detection. IEEE Transactions on Cybernetics, 2023, 53, 617-627.	9.5	12
3	Privacy Intelligence: A Survey on Image Privacy in Online Social Networks. ACM Computing Surveys, 2023, 55, 1-35.	23.0	7
4	Trustworthy blockchain-based medical Internet of thing for minimal invasive surgery training simulator. Concurrency Computation Practice and Experience, 2022, 34, e5816.	2.2	2
5	CD-VulD: Cross-Domain Vulnerability Discovery Based on Deep Domain Adaptation. IEEE Transactions on Dependable and Secure Computing, 2022, 19, 438-451.	5.4	28
6	Deep Learning Based Attack Detection for Cyber-Physical System Cybersecurity: A Survey. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 377-391.	13.1	150
7	Machine Learning-based Cyber Attacks Targeting on Controlled Information. ACM Computing Surveys, 2022, 54, 1-36.	23.0	59
8	Lightweight and Certificateless Multi-Receiver Secure Data Transmission Protocol for Wireless Body Area Networks. IEEE Transactions on Dependable and Secure Computing, 2022, 19, 1464-1475.	5.4	21
9	Domain adaptation for Windows advanced persistent threat detection. Computers and Security, 2022, 112, 102496.	6.0	12
10	CSEdge: Enabling Collaborative Edge Storage for Multi-Access Edge Computing Based on Blockchain. IEEE Transactions on Parallel and Distributed Systems, 2022, 33, 1873-1887.	5.6	55
11	Deep Neural Embedding for Software Vulnerability Discovery: Comparison and Optimization. Security and Communication Networks, 2022, 2022, 1-12.	1.5	13
12	Secure medical digital twin via human-centric interaction and cyber vulnerability resilience. Connection Science, 2022, 34, 895-910.	3.0	18
13	Software Vulnerability Discovery via Learning Multi-Domain Knowledge Bases. IEEE Transactions on Dependable and Secure Computing, 2021, 18, 2469-2485.	5.4	52
14	Machine Learning-Based Online Source Identification for Image Forensics. , 2021, , 27-56.		0
15	A Survey of Android Malware Detection with Deep Neural Models. ACM Computing Surveys, 2021, 53, 1-36.	23.0	156
16	Deep neural-based vulnerability discovery demystified: data, model and performance. Neural Computing and Applications, 2021, 33, 13287-13300.	5.6	12
17	Trustworthy Image Fusion with Deep Learning for Wireless Applications. Wireless Communications and Mobile Computing, 2021, 2021, 1-9.	1.2	2
18	Intelligent Intraoperative Haptic-AR Navigation for COVID-19 Lung Biopsy Using Deep Hybrid Model. IEEE Transactions on Industrial Informatics, 2021, 17, 6519-6527.	11.3	11

#	ARTICLE	IF	CITATIONS
19	Image Speckle Denoising for Securing Internet of Smart Sensors. Security and Communication Networks, 2021, 2021, 1-10.	1.5	1
20	Android HIV: A Study of Repackaging Malware for Evading Machine-Learning Detection. IEEE Transactions on Information Forensics and Security, 2020, 15, 987-1001.	6.9	182
21	Data-Driven Cyber Security in Perspectiveâ€”Intelligent Traffic Analysis. IEEE Transactions on Cybernetics, 2020, 50, 3081-3093.	9.5	78
22	Cyber Vulnerability Intelligence for Internet of Things Binary. IEEE Transactions on Industrial Informatics, 2020, 16, 2154-2163.	11.3	34
23	Security and privacy in 6G networks: New areas and new challenges. Digital Communications and Networks, 2020, 6, 281-291.	5.0	206
24	Neural Model Stealing Attack to Smart Mobile Device on Intelligent Medical Platform. Wireless Communications and Mobile Computing, 2020, 2020, 1-10.	1.2	4
25	JSCSP: a Novel Policy-Based XSS Defense Mechanism for Browsers. IEEE Transactions on Dependable and Secure Computing, 2020, , 1-1.	5.4	3
26	A Hybrid Key Agreement Scheme for Smart Homes Using the Merkle Puzzle. IEEE Internet of Things Journal, 2020, 7, 1061-1071.	8.7	12
27	Software Vulnerability Detection Using Deep Neural Networks: A Survey. Proceedings of the IEEE, 2020, 108, 1825-1848.	21.3	214
28	SDCCP: Control the network using softwareâ€”defined networking and endâ€”toâ€”end congestion control. Concurrency Computation Practice and Experience, 2020, , e5716.	2.2	0
29	Code analysis for intelligent cyber systems: A data-driven approach. Information Sciences, 2020, 524, 46-58.	6.9	25
30	Deep Learning-Based Vulnerable Function Detection: A Benchmark. Lecture Notes in Computer Science, 2020, , 219-232.	1.3	19
31	Unmasking Windows Advanced Persistent Threat Execution. , 2020, , .		2
32	Data Analytics of Crowdsourced Resources for Cybersecurity Intelligence. Lecture Notes in Computer Science, 2020, , 3-21.	1.3	5
33	The Roadmap to 6G: AI Empowered Wireless Networks. IEEE Communications Magazine, 2019, 57, 84-90.	6.1	1,139
34	Augmented-reality-driven medical simulation platform for percutaneous nephrolithotomy with cybersecurity awareness. International Journal of Distributed Sensor Networks, 2019, 15, 155014771984017.	2.2	9
35	A3CM: Automatic Capability Annotation for Android Malware. IEEE Access, 2019, 7, 147156-147168.	4.2	29
36	Editorial: Recent advances in machine learning for cybersecurity. Concurrency Computation Practice and Experience, 2019, 31, e5270.	2.2	0

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37	Insider Threat Identification Using the Simultaneous Neural Learning of Multi-Source Logs. IEEE Access, 2019, 7, 183162-183176.	4.2	22
38	DeepBalance: Deep-Learning and Fuzzy Oversampling for Vulnerability Detection. IEEE Transactions on Fuzzy Systems, 2019, , 1-1.	9.8	50
39	Data-Driven Cybersecurity Incident Prediction: A Survey. IEEE Communications Surveys and Tutorials, 2019, 21, 1744-1772.	39.4	216
40	Video denoising for security and privacy in fog computing. Concurrency Computation Practice and Experience, 2019, 31, e4763.	2.2	1
41	Noise-Resistant Statistical Traffic Classification. IEEE Transactions on Big Data, 2019, 5, 454-466.	6.1	10
42	Privacy Protection in Interactive Content Based Image Retrieval. IEEE Transactions on Dependable and Secure Computing, 2019, , 1-1.	5.4	6
43	Data-Driven Android Malware Intelligence: A Survey. Lecture Notes in Computer Science, 2019, , 183-202.	1.3	14
44	Unsupervised Insider Detection Through Neural Feature Learning and Model Optimisation. Lecture Notes in Computer Science, 2019, , 18-36.	1.3	5
45	A Visualization-Based Analysis on Classifying Android Malware. Lecture Notes in Computer Science, 2019, , 304-319.	1.3	1
46	Big network traffic data visualization. Multimedia Tools and Applications, 2018, 77, 11459-11487.	3.9	8
47	Imputing trust network information in NMF-based collaborative filtering. , 2018, , .		1
48	Detecting and Preventing Cyber Insider Threats: A Survey. IEEE Communications Surveys and Tutorials, 2018, 20, 1397-1417.	39.4	246
49	Comprehensive analysis of network traffic data. Concurrency Computation Practice and Experience, 2018, 30, e4181.	2.2	10
50	JFCGuard: Detecting juice filming charging attack via processor usage analysis on smartphones. Computers and Security, 2018, 76, 252-264.	6.0	22
51	Anomaly-Based Insider Threat Detection Using Deep Autoencoders. , 2018, , .		40
52	Deep-learnt features for Twitter spam detection. , 2018, , .		11
53	A Data-driven Attack against Support Vectors of SVM. , 2018, , .		4
54	A Quantum Secret Sharing Scheme Using Orbital Angular Momentum onto Multiple Spin States Based on Fibonacci Compression Encoding. Communications in Theoretical Physics, 2018, 70, 384.	2.5	4

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55	Exploring Feature Coupling and Model Coupling for Image Source Identification. IEEE Transactions on Information Forensics and Security, 2018, 13, 3108-3121.	6.9	17
56	Cross-Project Transfer Representation Learning for Vulnerable Function Discovery. IEEE Transactions on Industrial Informatics, 2018, 14, 3289-3297.	11.3	135
57	Distributed Detection of Zero-Day Network Traffic Flows. Communications in Computer and Information Science, 2018, , 173-191.	0.5	0
58	Investigating the deceptive information in Twitter spam. Future Generation Computer Systems, 2017, 72, 319-326.	7.5	38
59	Twitter spam detection based on deep learning. , 2017, , .		92
60	Fast and simple high-capacity quantum cryptography with error detection. Scientific Reports, 2017, 7, 46302.	3.3	3
61	Statistical Twitter Spam Detection Demystified: Performance, Stability and Scalability. IEEE Access, 2017, 5, 11142-11154.	4.2	31
62	Addressing the class imbalance problem in Twitter spam detection using ensemble learning. Computers and Security, 2017, 69, 35-49.	6.0	78
63	Noisy Smoothing Image Source Identification. Lecture Notes in Computer Science, 2017, , 135-147.	1.3	1
64	Detecting spamming activities in twitter based on deep learning technique. Concurrency Computation Practice and Experience, 2017, 29, e4209.	2.2	25
65	Statistical Features-Based Real-Time Detection of Drifted Twitter Spam. IEEE Transactions on Information Forensics and Security, 2017, 12, 914-925.	6.9	101
66	A Survey on Mobile Edge Computing: The Communication Perspective. IEEE Communications Surveys and Tutorials, 2017, 19, 2322-2358.	39.4	3,379
67	Fuzzy-Based Information Decomposition for Incomplete and Imbalanced Data Learning. IEEE Transactions on Fuzzy Systems, 2017, 25, 1476-1490.	9.8	59
68	Visualization of big data security: a case study on the KDD99 cup data set. Digital Communications and Networks, 2017, 3, 250-259.	5.0	25
69	Recent Advances in Security and Privacy for Wireless Sensor Networks 2016. Journal of Sensors, 2017, 1-3.	1.1	5
70	Flow-based traffic retrieval using statistical features. , 2016, , .		0
71	Comprehensive Analysis of Network Traffic Data. , 2016, , .		11
72	Security and reliability in big data. Concurrency Computation Practice and Experience, 2016, 28, 581-582.	2.2	2

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73	Dynamic Computation Offloading for Mobile-Edge Computing With Energy Harvesting Devices. IEEE Journal on Selected Areas in Communications, 2016, 34, 3590-3605.	14.0	1,285
74	Hybrid threshold adaptable quantum secret sharing scheme with reverse Huffman-Fibonacci-tree coding. Scientific Reports, 2016, 6, 31350.	3.3	18
75	Message from the SocialSec 2016 Program Chairs. , 2016, , .		0
76	Statistical Detection of Online Drifting Twitter Spam. , 2016, , .		21
77	Comments and Corrections. IEEE Transactions on Computational Social Systems, 2016, 3, 42-42.	4.4	1
78	Spammers Are Becoming "Smarter" on Twitter. IT Professional, 2016, 18, 66-70.	1.5	20
79	Traffic Identification in Big Internet Data. , 2016, , 129-156.		4
80	Fuzzy-Based Feature and Instance Recovery. Lecture Notes in Computer Science, 2016, , 605-615.	1.3	5
81	Robust Traffic Classification with Mislabeled Training Samples. , 2015, , .		1
82	Recent Advances in Security and Privacy for Wireless Sensor Networks. Journal of Sensors, 2015, 2015, 1-2.	1.1	5
83	Asymmetric self-learning for tackling Twitter Spam Drift. , 2015, , .		18
84	Enhanced Twitter Sentiment Analysis by Using Feature Selection and Combination. , 2015, , .		12
85	A Performance Evaluation of Machine Learning-Based Streaming Spam Tweets Detection. IEEE Transactions on Computational Social Systems, 2015, 2, 65-76.	4.4	95
86	Camera Model Identification With Unknown Models. IEEE Transactions on Information Forensics and Security, 2015, 10, 2692-2704.	6.9	26
87	6 million spam tweets: A large ground truth for timely Twitter spam detection. , 2015, , .		75
88	Robust Network Traffic Classification. IEEE/ACM Transactions on Networking, 2015, 23, 1257-1270.	3.8	291
89	Medical image retrieval based on unclean image bags. Multimedia Tools and Applications, 2014, 72, 2977-2999.	3.9	6
90	A noisy-smoothing relevance feedback method for content-based medical image retrieval. Multimedia Tools and Applications, 2014, 73, 1963-1981.	3.9	9

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91	Internet traffic clustering with side information. Journal of Computer and System Sciences, 2014, 80, 1021-1036.	1.2	32
92	Internet Traffic Classification Using Constrained Clustering. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 2932-2943.	5.6	81
93	Modeling and Analysis on the Propagation Dynamics of Modern Email Malware. IEEE Transactions on Dependable and Secure Computing, 2014, 11, 361-374.	5.4	58
94	The maximum imputation framework for neighborhood-based collaborative filtering. Social Network Analysis and Mining, 2014, 4, 1.	2.8	2
95	On Addressing the Imbalance Problem: A Correlated KNN Approach for Network Traffic Classification. Lecture Notes in Computer Science, 2014, , 138-151.	1.3	5
96	Modeling Propagation Dynamics of Social Network Worms. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 1633-1643.	5.6	87
97	Traffic Identification in Semi-known Network Environment. , 2013, , .		3
98	Internet Traffic Classification by Aggregating Correlated Naive Bayes Predictions. IEEE Transactions on Information Forensics and Security, 2013, 8, 5-15.	6.9	134
99	Unsupervised traffic classification using flow statistical properties and IP packet payload. Journal of Computer and System Sciences, 2013, 79, 573-585.	1.2	69
100	An Effective Network Traffic Classification Method with Unknown Flow Detection. IEEE Transactions on Network and Service Management, 2013, 10, 133-147.	4.9	98
101	Robust image retrieval with hidden classes. Computer Vision and Image Understanding, 2013, 117, 670-679.	4.7	4
102	Lazy Collaborative Filtering for Data Sets With Missing Values. IEEE Transactions on Cybernetics, 2013, 43, 1822-1834.	9.5	79
103	Robust network traffic identification with unknown applications. , 2013, , .		13
104	AdaM. , 2013, , .		7
105	Network Traffic Classification Using Correlation Information. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 104-117.	5.6	262
106	Network traffic clustering using Random Forest proximities. , 2013, , .		13
107	Zero-Day Traffic Identification. Lecture Notes in Computer Science, 2013, , 213-227.	1.3	7
108	Internet traffic clustering with constraints. , 2012, , .		6

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109	QDFA: Query-Dependent Feature Aggregation for Medical Image Retrieval. IEICE Transactions on Information and Systems, 2012, E95-D, 275-279.	0.7	1
110	A New Re-Ranking Method Using Enhanced Pseudo-Relevance Feedback for Content-Based Medical Image Retrieval. IEICE Transactions on Information and Systems, 2012, E95-D, 694-698.	0.7	2
111	Semi-supervised and compound classification of network traffic. International Journal of Security and Networks, 2012, 7, 252.	0.2	4
112	The efficient imputation method for neighborhood-based collaborative filtering. , 2012, , .		29
113	Semi-supervised and Compound Classification of Network Traffic. , 2012, , .		8
114	Classification of Correlated Internet Traffic Flows. , 2012, , .		5
115	A novel semi-supervised approach for network traffic clustering. , 2011, , .		32
116	Secure Image Retrieval Based on Visual Content and Watermarking Protocol. Computer Journal, 2011, 54, 1661-1674.	2.4	9
117	An improved clustering for action recognition in online video. , 2011, , .		0
118	Real-time gait classification based on fuzzy associative memory. International Journal of Modelling, Identification and Control, 2010, 10, 263.	0.2	4
119	Properties of series feature aggregation schemes. World Review of Science, Technology and Sustainable Development, 2010, 7, 100.	0.4	1
120	Series feature aggregation for content-based image retrieval. Computers and Electrical Engineering, 2010, 36, 691-701.	4.8	14
121	Effective watermarking scheme in the encrypted domain for buyer's seller watermarking protocol. Information Sciences, 2010, 180, 4672-4684.	6.9	26
122	Medical Image Retrieval with Query-Dependent Feature Fusion Based on One-Class SVM. , 2010, , .		13
123	Image retrieval using noisy query. , 2009, , .		0
124	Image retrieval based on bag of images. , 2009, , .		3
125	Watermarking protocol for protecting user's right in content based image retrieval. , 2009, , .		2
126	Local aggregation function learning based on support vector machines. Signal Processing, 2009, 89, 2291-2295.	3.7	15

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127	Ranking Method for Optimizing Precision/Recall of Content-Based Image Retrieval. , 2009, , .		2
128	Content Based Image Retrieval Using Unclean Positive Examples. IEEE Transactions on Image Processing, 2009, 18, 2370-2375.	9.8	24
129	Watermarking protocol of secure verification. Journal of Electronic Imaging, 2007, 16, 043002.	0.9	4
130	A new watermarking protocol against conspiracy. Wuhan University Journal of Natural Sciences, 2006, 11, 1671-1674.	0.4	0
131	Electronic payment scheme to prevent the treachery. Wuhan University Journal of Natural Sciences, 2006, 11, 1745-1748.	0.4	0
132	Secure buyer"seller watermarking protocol. IEE Proceedings - Information Security, 2006, 153, 15.	1.9	57
133	An Enhanced Watermarking Protocol for Electronic Copyright Management. , 2006, , .		0