

Zhiyuan Tan

List of Publications by Year in descending order

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Version: 2024-02-01

88
papers

2,318
citations

304368

22
h-index

233125

45
g-index

88
all docs

88
docs citations

88
times ranked

2108
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation Mechanism for Decentralized Collaborative Pattern Learning in Heterogeneous Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 13123-13132.	4.7	3
2	Editorial: Big data technologies and applications. Wireless Networks, 2022, 28, 1163-1167.	2.0	0
3	A VMD and LSTM Based Hybrid Model of Load Forecasting for Power Grid Security. IEEE Transactions on Industrial Informatics, 2022, 18, 6474-6482.	7.2	88
4	A novel nomad migration-inspired algorithm for global optimization. Computers and Electrical Engineering, 2022, 100, 107862.	3.0	6
5	Building towards Automated Cyberbullying Detection: A Comparative Analysis. Computational Intelligence and Neuroscience, 2022, 2022, 1-20.	1.1	5
6	A novel flow-vector generation approach for malicious traffic detection. Journal of Parallel and Distributed Computing, 2022, 169, 72-86.	2.7	7
7	Block-Sparse Coding-Based Machine Learning Approach for Dependable Device-Free Localization in IoT Environment. IEEE Internet of Things Journal, 2021, 8, 3211-3223.	5.5	15
8	A Novel Cost Optimization Strategy for SDN-Enabled UAV-Assisted Vehicular Computation Offloading. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 3664-3674.	4.7	130
9	FPDP: Flexible Privacy-Preserving Data Publishing Scheme for Smart Agriculture. IEEE Sensors Journal, 2021, 21, 17430-17438.	2.4	55
10	A mobility aware duty cycling and preamble solution for wireless sensor network with mobile sink node. Wireless Networks, 2021, 27, 3423-3439.	2.0	3
11	Towards an energy balancing solution for wireless sensor network with mobile sink node. Computer Communications, 2021, 170, 50-64.	3.1	15
12	A novel tensor-information bottleneck method for multi-input single-output applications. Computer Networks, 2021, 193, 108088.	3.2	2
13	Deep Learning in Mobile Computing: Architecture, Applications, and Future Challenges. Mobile Information Systems, 2021, 2021, 1-3.	0.4	0
14	A Novel Web Attack Detection System for Internet of Things via Ensemble Classification. IEEE Transactions on Industrial Informatics, 2021, 17, 5810-5818.	7.2	89
15	Blockchain for edge-enabled smart cities applications. Journal of Information Security and Applications, 2021, 61, 102937.	1.8	1
16	Newly engineered energy-based features for supervised anomaly detection in a physical model of a water supply system. Ad Hoc Networks, 2021, 120, 102590.	3.4	2
17	Vehicular Computation Offloading for Industrial Mobile Edge Computing. IEEE Transactions on Industrial Informatics, 2021, 17, 7871-7881.	7.2	49
18	Conceptual text region network: Cognition-inspired accurate scene text detection. Neurocomputing, 2021, 464, 252-264.	3.5	5

#	ARTICLE	IF	CITATIONS
19	Machine Learning: The Cyber-Security, Privacy, and Public Safety Opportunities and Challenges for Emerging Applications. Security and Communication Networks, 2021, 2021, 1-2.	1.0	0
20	Hybrid Tree-Rule Firewall for High Speed Data Transmission. IEEE Transactions on Cloud Computing, 2020, 8, 1237-1249.	3.1	12
21	A comprehensive survey of security threats and their mitigation techniques for next-generation SDN controllers. Concurrency Computation Practice and Experience, 2020, 32, e5300.	1.4	23
22	PTAOD: A Novel Framework for Supporting Approximate Outlier Detection Over Streaming Data for Edge Computing. IEEE Access, 2020, 8, 1475-1485.	2.6	3
23	Improving Classification of Metamorphic Malware by Augmenting Training Data with a Diverse Set of Evolved Mutant Samples. , 2020, , .		3
24	On Privacy Aware Carriers for Value-Possessed e-Invoices Considering Intelligence Mining. IEEE Transactions on Emerging Topics in Computational Intelligence, 2020, 4, 641-652.	3.4	1
25	A New Mobility Aware Duty Cycling and Dynamic Preambling Algorithm for Wireless Sensor Network. , 2020, , .		2
26	IEEE Access Special Section Editorial: Security and Trusted Computing for Industrial Internet of Things: Research Challenges and Opportunities. IEEE Access, 2020, 8, 145033-145036.	2.6	2
27	Deep learning based emotion analysis of microblog texts. Information Fusion, 2020, 64, 1-11.	11.7	73
28	KNN-Based Approximate Outlier Detection Algorithm Over IoT Streaming Data. IEEE Access, 2020, 8, 42749-42759.	2.6	23
29	FIMPA: A Fixed Identity Mapping Prediction Algorithm in Edge Computing Environment. IEEE Access, 2020, 8, 17356-17365.	2.6	4
30	FairEdge: A Fairness-Oriented Task Offloading Scheme for IoT Applications in Mobile Cloudlet Networks. IEEE Access, 2020, 8, 13516-13526.	2.6	10
31	Double-Arc Parallel Coordinates and its Axes re-Ordering Methods. Mobile Networks and Applications, 2020, 25, 1376-1391.	2.2	3
32	Secure Information Transmissions in Wireless-Powered Cognitive Radio Networks for Internet of Medical Things. Security and Communication Networks, 2020, 2020, 1-10.	1.0	6
33	Automatic Generation of Adversarial Metamorphic Malware Using MAP-Elites. Lecture Notes in Computer Science, 2020, , 117-132.	1.0	4
34	Towards Continuous User Authentication Using Personalised Touch-Based Behaviour. , 2020, , .		0
35	Exploring coupled images fusion based on joint tensor decomposition. Human-centric Computing and Information Sciences, 2020, 10, .	6.1	2
36	PFARS: Enhancing throughput and lifetime of heterogeneous WSNs through power-aware fusion, aggregation, and routing scheme. International Journal of Communication Systems, 2019, 32, e4144.	1.6	3

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37	A Quality of Service-Aware Secured Communication Scheme for Internet of Things-Based Networks. Sensors, 2019, 19, 4321.	2.1	18
38	A 3D Smooth Random Walk Mobility Model for FANETs. , 2019, , .		14
39	O-ADPI: Online Adaptive Deep-Packet Inspector Using Mahalanobis Distance Map for Web Service Attacks Classification. IEEE Access, 2019, 7, 167141-167156.	2.6	6
40	A Secured and Efficient Communication Scheme for Decentralized Cognitive Radio-Based Internet of Vehicles. IEEE Access, 2019, 7, 160889-160900.	2.6	23
41	Multi-Miner's Cooperative Evolution Method of Bitcoin Pool Based on Temporal Difference Learning Method. , 2019, , .		0
42	Deriving ChaCha20 key streams from targeted memory analysis. Journal of Information Security and Applications, 2019, 48, 102372.	1.8	4
43	ARCA-IoT: An Attack-Resilient Cloud-Assisted IoT System. IEEE Access, 2019, 7, 19616-19630.	2.6	10
44	SmartEdge: An end-to-end encryption framework for an edge-enabled smart city application. Journal of Network and Computer Applications, 2019, 137, 1-10.	5.8	45
45	Decrypting live SSH traffic in virtual environments. Digital Investigation, 2019, 29, 109-117.	3.2	6
46	Urban data management system: Towards Big Data analytics for Internet of Things based smart urban environment using customized Hadoop. Future Generation Computer Systems, 2019, 96, 398-409.	4.9	60
47	A Learning-Based Vehicle-Trajectory Generation Method for Vehicular Networking. , 2019, , .		3
48	Mobility Aware Duty Cycling Algorithm (MADCAL) A Dynamic Communication Threshold for Mobile Sink in Wireless Sensor Network. Sensors, 2019, 19, 4930.	2.1	7
49	Mobility Aware Duty Cycling Algorithm (MADCAL) in Wireless Sensor Network with Mobile Sink Node. , 2019, , .		2
50	Design of multi-view based email classification for IoT systems via semi-supervised learning. Journal of Network and Computer Applications, 2019, 128, 56-63.	5.8	40
51	A caching and spatial $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll" id="d1e566" altimg="si254.gif" \rangle \langle \text{mml:mi} \rangle K \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -anonymity driven privacy enhancement scheme in continuous location-based services. Future Generation Computer Systems, 2019, 94, 40-50.	4.9	137
52	Copy-move forgery detection using combined features and transitive matching. Multimedia Tools and Applications, 2019, 78, 30081-30096.	2.6	41
53	A Multi-attributes-Based Trust Model of Internet of Vehicle. Lecture Notes in Computer Science, 2019, , 706-713.	1.0	0
54	Nowhere Metamorphic Malware Can Hide - A Biological Evolution Inspired Detection Scheme. Communications in Computer and Information Science, 2019, , 369-382.	0.4	4

#	ARTICLE	IF	CITATIONS
55	Performance of Cognitive Radio Sensor Networks Using Hybrid Automatic Repeat ReQuest: Stop-and-Wait. <i>Mobile Networks and Applications</i> , 2018, 23, 479-488.	2.2	26
56	NgramPOS: a bigram-based linguistic and statistical feature process model for unstructured text classification. <i>Wireless Networks</i> , 2018, , 1.	2.0	1
57	Building Scalable Cyber-Physical-Social Networking Infrastructure Using IoT and Low Power Sensors. <i>IEEE Access</i> , 2018, 6, 30162-30173.	2.6	44
58	A Secured Data Management Scheme for Smart Societies in Industrial Internet of Things Environment. <i>IEEE Access</i> , 2018, 6, 43088-43099.	2.6	25
59	A Chain Topology for Efficient Monitoring of Food Grain Storage using Smart Sensors. , 2018, , .		0
60	A Chain Topology for Efficient Monitoring of Food Grain Storage using Smart Sensors. , 2018, , .		1
61	An Approach to Evolving Legacy Enterprise System to Microservice-Based Architecture through Feature-Driven Evolution Rules. <i>International Journal of Computer Theory and Engineering</i> , 2018, 10, 164-169.	3.2	2
62	Security for Cyber-Physical Systems in Healthcare. , 2017, , 233-251.		14
63	An Intrusion Detection System Based on Polynomial Feature Correlation Analysis. , 2017, , .		12
64	A framework for data security in cloud using collaborative intrusion detection scheme. , 2017, , .		10
65	Message from the SECSOC 2017 Workshop Chairs. , 2017, , .		0
66	An Improvement of Tree-Rule Firewall for a Large Network: Supporting Large Rule Size and Low Delay. , 2016, , .		2
67	Building an Intrusion Detection System Using a Filter-Based Feature Selection Algorithm. <i>IEEE Transactions on Computers</i> , 2016, 65, 2986-2998.	2.4	436
68	Detection of Denial-of-Service Attacks Based on Computer Vision Techniques. <i>IEEE Transactions on Computers</i> , 2015, 64, 2519-2533.	2.4	119
69	A Robust Authentication Scheme for Observing Resources in the Internet of Things Environment. , 2014, , .		45
70	Enhancing Big Data Security with Collaborative Intrusion Detection. <i>IEEE Cloud Computing</i> , 2014, 1, 27-33.	5.3	63
71	A Stateful Mechanism for the Tree-Rule Firewall. , 2014, , .		7
72	A Novel Feature Selection Approach for Intrusion Detection Data Classification. , 2014, , .		24

#	ARTICLE	IF	CITATIONS
73	Improving cloud network security using the Tree-Rule firewall. Future Generation Computer Systems, 2014, 30, 116-126.	4.9	36
74	A System for Denial-of-Service Attack Detection Based on Multivariate Correlation Analysis. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 447-456.	4.0	195
75	Intrusion detection method based on nonlinear correlation measure. International Journal of Internet Protocol Technology, 2014, 8, 77.	0.2	9
76	Towards Designing an Email Classification System Using Multi-view Based Semi-supervised Learning. , 2014, , .		4
77	RePIDS: A multi tier Real-time Payload-based Intrusion Detection System. Computer Networks, 2013, 57, 811-824.	3.2	64
78	Evaluation on multivariate correlation analysis based denial-of-service attack detection system. , 2012, , .		1
79	Triangle-Area-Based Multivariate Correlation Analysis for Effective Denial-of-Service Attack Detection. , 2012, , .		12
80	Denial-of-Service Attack Detection Based on Multivariate Correlation Analysis. Lecture Notes in Computer Science, 2011, , 756-765.	1.0	36
81	Multivariate Correlation Analysis Technique Based on Euclidean Distance Map for Network Traffic Characterization. Lecture Notes in Computer Science, 2011, , 388-398.	1.0	7
82	Network Intrusion Detection based on LDA for payload feature selection. , 2010, , .		16
83	Intrusion detection using GSAD model for HTTP traffic on web services. , 2010, , .		14
84	A Two-Tier System for Web Attack Detection Using Linear Discriminant Method. Lecture Notes in Computer Science, 2010, , 459-471.	1.0	4
85	Intrusion Detection Using Geometrical Structure. , 2009, , .		13
86	Web Service Locating Unit in RFID-Centric Anti-counterfeit System. , 2009, , .		0
87	Deep Learning and Dempster-Shafer Theory Based Insider Threat Detection. Mobile Networks and Applications, 0, , 1.	2.2	7
88	Toward machine intelligence that learns to fingerprint polymorphic worms in IoT. International Journal of Intelligent Systems, 0, , .	3.3	0