

Mamoun Alazab

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3319004/publications.pdf>

Version: 2024-02-01

251
papers

12,744
citations

26567

56
h-index

33814

99
g-index

258
all docs

258
docs citations

258
times ranked

6882
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Learning Approach for Intelligent Intrusion Detection System. IEEE Access, 2019, 7, 41525-41550.	2.6	895
2	Blockchain for Industry 4.0: A Comprehensive Review. IEEE Access, 2020, 8, 79764-79800.	2.6	411
3	Deep learning and medical image processing for coronavirus (COVID-19) pandemic: A survey. Sustainable Cities and Society, 2021, 65, 102589.	5.1	300
4	Robust Intelligent Malware Detection Using Deep Learning. IEEE Access, 2019, 7, 46717-46738.	2.6	280
5	IMCFN: Image-based malware classification using fine-tuned convolutional neural network architecture. Computer Networks, 2020, 171, 107138.	3.2	254
6	An effective feature engineering for DNN using hybrid PCA-GWO for intrusion detection in IoMT architecture. Computer Communications, 2020, 160, 139-149.	3.1	245
7	Unmanned Aerial Vehicles in Smart Agriculture: Applications, Requirements, and Challenges. IEEE Sensors Journal, 2021, 21, 17608-17619.	2.4	243
8	A Novel PCA-Firefly Based XGBoost Classification Model for Intrusion Detection in Networks Using GPU. Electronics (Switzerland), 2020, 9, 219.	1.8	229
9	Early Detection of Diabetic Retinopathy Using PCA-Firefly Based Deep Learning Model. Electronics (Switzerland), 2020, 9, 274.	1.8	226
10	An ensemble machine learning approach through effective feature extraction to classify fake news. Future Generation Computer Systems, 2021, 117, 47-58.	4.9	213
11	Image-Based malware classification using ensemble of CNN architectures (IMCEC). Computers and Security, 2020, 92, 101748.	4.0	211
12	Whale Optimization Algorithm With Applications to Resource Allocation in Wireless Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 4285-4297.	3.9	193
13	Artificial Intelligence for Detection, Estimation, and Compensation of Malicious Attacks in Nonlinear Cyber-Physical Systems and Industrial IoT. IEEE Transactions on Industrial Informatics, 2020, 16, 2716-2725.	7.2	189
14	A Visualized Botnet Detection System Based Deep Learning for the Internet of Things Networks of Smart Cities. IEEE Transactions on Industry Applications, 2020, 56, 4436-4456.	3.3	187
15	A novel PCA-whale optimization-based deep neural network model for classification of tomato plant diseases using GPU. Journal of Real-Time Image Processing, 2021, 18, 1383-1396.	2.2	174
16	Deep Learning-Based Traffic Safety Solution for a Mixture of Autonomous and Manual Vehicles in a 5G-Enabled Intelligent Transportation System. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4337-4347.	4.7	171
17	Attribute-Based Encryption With Parallel Outsourced Decryption for Edge Intelligent IoV. IEEE Transactions on Vehicular Technology, 2020, 69, 13784-13795.	3.9	168
18	Intelligent mobile malware detection using permission requests and API calls. Future Generation Computer Systems, 2020, 107, 509-521.	4.9	146

#	ARTICLE	IF	CITATIONS
19	Blockchain-Based Reliable and Efficient Certificateless Signature for IIoT Devices. IEEE Transactions on Industrial Informatics, 2022, 18, 7059-7067.	7.2	146
20	Blockchain-Envisioned Secure Data Delivery and Collection Scheme for 5G-Based IoT-Enabled Internet of Drones Environment. IEEE Transactions on Vehicular Technology, 2020, 69, 9097-9111.	3.9	143
21	CANintelliIDS: Detecting In-Vehicle Intrusion Attacks on a Controller Area Network Using CNN and Attention-Based GRU. IEEE Transactions on Network Science and Engineering, 2021, 8, 1456-1466.	4.1	142
22	A Multidirectional LSTM Model for Predicting the Stability of a Smart Grid. IEEE Access, 2020, 8, 85454-85463.	2.6	136
23	<i>PMRSS:</i> Privacy-Preserving Medical Record Searching Scheme for Intelligent Diagnosis in IoT Healthcare. IEEE Transactions on Industrial Informatics, 2022, 18, 1981-1990.	7.2	129
24	Smart Secure Sensing for IoT-Based Agriculture: Blockchain Perspective. IEEE Sensors Journal, 2021, 21, 17591-17607.	2.4	128
25	Profiling and classifying the behavior of malicious codes. Journal of Systems and Software, 2015, 100, 91-102.	3.3	125
26	A Comparative Analysis of Distributed Ledger Technology Platforms. IEEE Access, 2019, 7, 167930-167943.	2.6	125
27	A hybrid deep learning image-based analysis for effective malware detection. Journal of Information Security and Applications, 2019, 47, 377-389.	1.8	121
28	A Comprehensive Survey for Intelligent Spam Email Detection. IEEE Access, 2019, 7, 168261-168295.	2.6	119
29	A Face Emotion Recognition Method Using Convolutional Neural Network and Image Edge Computing. IEEE Access, 2019, 7, 159081-159089.	2.6	114
30	Federated Learning for Cybersecurity: Concepts, Challenges, and Future Directions. IEEE Transactions on Industrial Informatics, 2022, 18, 3501-3509.	7.2	114
31	Hand gesture classification using a novel CNN-crow search algorithm. Complex & Intelligent Systems, 2021, 7, 1855-1868.	4.0	112
32	Use of Data Visualisation for Zero-Day Malware Detection. Security and Communication Networks, 2018, 2018, 1-13.	1.0	105
33	A Systematic Review on Clone Node Detection in Static Wireless Sensor Networks. IEEE Access, 2020, 8, 65450-65461.	2.6	99
34	Stochastic Neural Networks for Cryptocurrency Price Prediction. IEEE Access, 2020, 8, 82804-82818.	2.6	99
35	Towards Understanding Malware Behaviour by the Extraction of API Calls. , 2010, , .		98
36	Fed-IIoT: A Robust Federated Malware Detection Architecture in Industrial IoT. IEEE Transactions on Industrial Informatics, 2021, 17, 8442-8452.	7.2	97

#	ARTICLE	IF	CITATIONS
37	Hybrids of support vector machine wrapper and filter based framework for malware detection. <i>Future Generation Computer Systems</i> , 2016, 55, 376-390.	4.9	94
38	The Use of Ensemble Models for Multiple Class and Binary Class Classification for Improving Intrusion Detection Systems. <i>Sensors</i> , 2020, 20, 2559.	2.1	94
39	Federated learning enabled digital twins for smart cities: Concepts, recent advances, and future directions. <i>Sustainable Cities and Society</i> , 2022, 79, 103663.	5.1	94
40	An Adaptive Multi-Layer Botnet Detection Technique Using Machine Learning Classifiers. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2375.	1.3	92
41	A Novel UAV-Enabled Data Collection Scheme for Intelligent Transportation System Through UAV Speed Control. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021, 22, 2100-2110.	4.7	91
42	Multi-objective cluster head selection using fitness averaged rider optimization algorithm for IoT networks in smart cities. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 43, 100973.	1.7	87
43	Big Data for Cybersecurity: Vulnerability Disclosure Trends and Dependencies. <i>IEEE Transactions on Big Data</i> , 2019, 5, 317-329.	4.4	86
44	On the Design of Blockchain-Based ECDSA With Fault-Tolerant Batch Verification Protocol for Blockchain-Enabled IoMT. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2022, 26, 1977-1986.	3.9	85
45	Intelligent Dynamic Malware Detection using Machine Learning in IP Reputation for Forensics Data Analytics. <i>Future Generation Computer Systems</i> , 2021, 118, 124-141.	4.9	84
46	Facial Sentiment Analysis Using AI Techniques: State-of-the-Art, Taxonomies, and Challenges. <i>IEEE Access</i> , 2020, 8, 90495-90519.	2.6	83
47	Variance Ranking Attributes Selection Techniques for Binary Classification Problem in Imbalance Data. <i>IEEE Access</i> , 2019, 7, 24649-24666.	2.6	81
48	Optimal 5G network slicing using machine learning and deep learning concepts. <i>Computer Standards and Interfaces</i> , 2021, 76, 103518.	3.8	81
49	Network Flow based IoT Botnet Attack Detection using Deep Learning. , 2020, , .		79
50	An Improved Convolutional Neural Network Model for Intrusion Detection in Networks. , 2019, , .		77
51	IoT Vulnerability Assessment for Sustainable Computing: Threats, Current Solutions, and Open Challenges. <i>IEEE Access</i> , 2020, 8, 168825-168853.	2.6	74
52	Sum-Rate Maximization for UAV-Assisted Visible Light Communications Using NOMA: Swarm Intelligence Meets Machine Learning. <i>IEEE Internet of Things Journal</i> , 2020, 7, 10375-10387.	5.5	72
53	An Attribute-Based Access Control for Cloud Enabled Industrial Smart Vehicles. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 4288-4297.	7.2	70
54	A review on deep learning for future smart cities. <i>Internet Technology Letters</i> , 2022, 5, e187.	1.4	68

#	ARTICLE	IF	CITATIONS
55	Fast authentication in wireless sensor networks. Future Generation Computer Systems, 2016, 55, 362-375.	4.9	67
56	Using feature selection for intrusion detection system. , 2012, , .		66
57	Interval type 2 trapezoidal fuzzy weighted with zero inconsistency combined with VIKOR for evaluating smart e-tourism applications. International Journal of Intelligent Systems, 2021, 36, 4723-4774.	3.3	66
58	<scp>SentiaSystem</scp>: A sentiment-based <scp>eSystem</scp> using hybridized fuzzy and deep neural network for measuring customer satisfaction. Software - Practice and Experience, 2021, 51, 571-594.	2.5	65
59	Deep Graph neural network-based spammer detection under the perspective of heterogeneous cyberspace. Future Generation Computer Systems, 2021, 117, 205-218.	4.9	65
60	FL-PMI: Federated Learning-Based Person Movement Identification through Wearable Devices in Smart Healthcare Systems. Sensors, 2022, 22, 1377.	2.1	64
61	Multidimensional benchmarking of the active queue management methods of network congestion control based on extension of fuzzy decision by opinion score method. International Journal of Intelligent Systems, 2021, 36, 796-831.	3.3	61
62	Decentralized accessibility of e-commerce products through blockchain technology. Sustainable Cities and Society, 2020, 62, 102361.	5.1	60
63	Deep-Learning-Empowered Digital Forensics for Edge Consumer Electronics in 5G HetNets. IEEE Consumer Electronics Magazine, 2022, 11, 42-50.	2.3	60
64	Machine Learning Based Botnet Identification Traffic. , 2016, , .		59
65	Lightweight Mutual Authentication and Privacy-Preservation Scheme for Intelligent Wearable Devices in Industrial-CPS. IEEE Transactions on Industrial Informatics, 2021, 17, 5829-5839.	7.2	57
66	Holistic big data integrated artificial intelligent modeling to improve privacy and security in data management of smart cities. Microprocessors and Microsystems, 2021, 81, 103722.	1.8	56
67	Misbehavior-Aware On-Demand Collaborative Intrusion Detection System Using Distributed Ensemble Learning for VANET. Electronics (Switzerland), 2020, 9, 1411.	1.8	55
68	Penetration testing framework for smart contract Blockchain. Peer-to-Peer Networking and Applications, 2021, 14, 2635-2650.	2.6	55
69	AFED-EF: An Energy-Efficient VM Allocation Algorithm for IoT Applications in a Cloud Data Center. IEEE Transactions on Green Communications and Networking, 2021, 5, 658-669.	3.5	55
70	Rise of multiattribute decision-making in combating COVID-19: A systematic review of the state-of-the-art literature. International Journal of Intelligent Systems, 2022, 37, 3514-3624.	3.3	55
71	Machine Learning Assisted Information Management Scheme in Service Concentrated IoT. IEEE Transactions on Industrial Informatics, 2021, 17, 2871-2879.	7.2	54
72	Novel dynamic fuzzy Decision-Making framework for COVID-19 vaccine dose recipients. Journal of Advanced Research, 2022, 37, 147-168.	4.4	52

#	ARTICLE	IF	CITATIONS
73	Integration of fuzzy-weighted zero-inconsistency and fuzzy decision by opinion score methods under a q-rung orthopair environment: A distribution case study of COVID-19 vaccine doses. <i>Computer Standards and Interfaces</i> , 2022, 80, 103572.	3.8	52
74	Based on T-spherical fuzzy environment: A combination of FWZIC and FDOSM for prioritising COVID-19 vaccine dose recipients. <i>Journal of Infection and Public Health</i> , 2021, 14, 1513-1559.	1.9	51
75	MTHAEL: Cross-Architecture IoT Malware Detection Based on Neural Network Advanced Ensemble Learning. <i>IEEE Transactions on Computers</i> , 2020, 69, 1654-1667.	2.4	50
76	ECA: An Edge Computing Architecture for Privacy-Preserving in IoT-Based Smart City. <i>IEEE Access</i> , 2019, 7, 155779-155786.	2.6	47
77	Authenticated Key Agreement Scheme With User Anonymity and Untraceability for 5G-Enabled Software-Defined Industrial Cyber-Physical Systems. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 2316-2330.	4.7	47
78	Blockchain Assisted Secure Data Sharing Model for Internet of Things Based Smart Industries. <i>IEEE Transactions on Reliability</i> , 2022, 71, 348-358.	3.5	46
79	A lightweight IoT-based security framework for inventory automation using wireless sensor network. <i>International Journal of Communication Systems</i> , 2020, 33, e4228.	1.6	45
80	TrustE-VC: Trustworthy Evaluation Framework for Industrial Connected Vehicles in the Cloud. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 6203-6213.	7.2	44
81	Security by Design for Big Data Frameworks Over Cloud Computing. <i>IEEE Transactions on Engineering Management</i> , 2022, 69, 3676-3693.	2.4	44
82	Threat Analysis for Automotive CAN Networks: A GAN Model-Based Intrusion Detection Technique. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021, 22, 4467-4477.	4.7	43
83	A Comprehensive Survey on Computer Forensics: State-of-the-Art, Tools, Techniques, Challenges, and Future Directions. <i>IEEE Access</i> , 2022, 10, 11065-11089.	2.6	43
84	Task Offloading for Cloud-Assisted Fog Computing With Dynamic Service Caching in Enterprise Management Systems. <i>IEEE Transactions on Industrial Informatics</i> , 2023, 19, 662-672.	7.2	43
85	A Secured and Intelligent Communication Scheme for IIoT-enabled Pervasive Edge Computing. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 5128-5137.	7.2	42
86	Achieving security scalability and flexibility using Fog-Based Context-Aware Access Control. <i>Future Generation Computer Systems</i> , 2020, 107, 307-323.	4.9	41
87	A Review of Performance, Energy and Privacy of Intrusion Detection Systems for IoT. <i>Electronics (Switzerland)</i> , 2020, 9, 629.	1.8	41
88	Next-generation big data federation access control: A reference model. <i>Future Generation Computer Systems</i> , 2020, 108, 726-741.	4.9	40
89	A Fast CP-ABE System for Cyber-Physical Security and Privacy in Mobile Healthcare Network. <i>IEEE Transactions on Industry Applications</i> , 2020, , 1-1.	3.3	40
90	Deep Multiagent Reinforcement-Learning-Based Resource Allocation for Internet of Controllable Things. <i>IEEE Internet of Things Journal</i> , 2021, 8, 3066-3074.	5.5	40

#	ARTICLE	IF	CITATIONS
91	Adversarial Defense: DGA-Based Botnets and DNS Homographs Detection Through Integrated Deep Learning. IEEE Transactions on Engineering Management, 2023, 70, 249-266.	2.4	40
92	Delegated content erasure in IPFS. Future Generation Computer Systems, 2020, 112, 956-964.	4.9	39
93	Malicious Spam Emails Developments and Authorship Attribution. , 2013, , .		38
94	A Pseudo Feedback-Based Annotated TF-IDF Technique for Dynamic Crypto-Ransomware Pre-Encryption Boundary Delineation and Features Extraction. IEEE Access, 2020, 8, 140586-140598.	2.6	38
95	Spam Emails Detection Based on Distributed Word Embedding with Deep Learning. Studies in Computational Intelligence, 2021, , 161-189.	0.7	38
96	Securing smart vehicles from relay attacks using machine learning. Journal of Supercomputing, 2020, 76, 2665-2682.	2.4	37
97	Multiagent Actor-Critic Network-Based Incentive Mechanism for Mobile Crowdsensing in Industrial Systems. IEEE Transactions on Industrial Informatics, 2021, 17, 6182-6191.	7.2	37
98	Security and blockchain convergence with Internet of Multimedia Things: Current trends, research challenges and future directions. Journal of Network and Computer Applications, 2021, 175, 102918.	5.8	36
99	An oppositional-Cauchy based GSK evolutionary algorithm with a novel deep ensemble reinforcement learning strategy for COVID-19 diagnosis. Applied Soft Computing Journal, 2021, 111, 107675.	4.1	36
100	From Zeus to Zitmo: Trends in Banking Malware. , 2015, , .		35
101	A Review of Automatic Phenotyping Approaches using Electronic Health Records. Electronics (Switzerland), 2019, 8, 1235.	1.8	35
102	Rotating behind Privacy: An Improved Lightweight Authentication Scheme for Cloud-based IoT Environment. ACM Transactions on Internet Technology, 2021, 21, 1-19.	3.0	35
103	PPVF: Privacy-Preserving Protocol for Vehicle Feedback in Cloud-Assisted VANET. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 9391-9403.	4.7	35
104	InfusedHeart: A Novel Knowledge-Infused Learning Framework for Diagnosis of Cardiovascular Events. IEEE Transactions on Computational Social Systems, 2024, , 1-10.	3.2	35
105	Latest trends of security and privacy in recommender systems: A comprehensive review and future perspectives. Computers and Security, 2022, 118, 102746.	4.0	35
106	Cybercrime: The Case of Obfuscated Malware. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 204-211.	0.2	34
107	DEEP-FEL: Decentralized, Efficient and Privacy-Enhanced Federated Edge Learning for Healthcare Cyber Physical Systems. IEEE Transactions on Network Science and Engineering, 2022, 9, 3558-3569.	4.1	34
108	Big Data Resource Management & Networks: Taxonomy, Survey, and Future Directions. IEEE Communications Surveys and Tutorials, 2021, 23, 2098-2130.	24.8	33

#	ARTICLE	IF	CITATIONS
109	RSS: An Energy-Efficient Approach for Securing IoT Service Protocols Against the DoS Attack. IEEE Internet of Things Journal, 2021, 8, 3619-3635.	5.5	33
110	Genetic CFL: Hyperparameter Optimization in Clustered Federated Learning. Computational Intelligence and Neuroscience, 2021, 2021, 1-10.	1.1	33
111	Comparative Study of Indoor Propagation Model Below and Above 6 GHz for 5G Wireless Networks. Electronics (Switzerland), 2019, 8, 44.	1.8	32
112	A Privacy Preserving Distributed Ledger Framework for Global Human Resource Record Management: The Blockchain Aspect. IEEE Access, 2020, 8, 96455-96467.	2.6	32
113	A Novel Simulated-Annealing Based Electric Bus System Design, Simulation, and Analysis for Dehradun Smart City. IEEE Access, 2020, 8, 89395-89424.	2.6	32
114	CDP-UA: Cognitive Data Processing Method Wearable Sensor Data Uncertainty Analysis in the Internet of Things Assisted Smart Medical Healthcare Systems. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 3691-3699.	3.9	32
115	Performance evaluation of e-government services using balanced scorecard. Benchmarking, 2013, 20, 512-536.	2.9	31
116	A Survey on Energy Trading in the Smart Grid: Taxonomy, Research Challenges and Solutions. IEEE Access, 2021, 9, 116231-116253.	2.6	31
117	mHealth Authentication Approach Based 3D Touchscreen and Microphone Sensors for Real-Time Remote Healthcare Monitoring System: Comprehensive Review, Open Issues and Methodological Aspects. Computer Science Review, 2020, 38, 100300.	10.2	30
118	Mining Malware to Detect Variants. , 2014, , .		29
119	Source Code Authorship Attribution Using Hybrid Approach of Program Dependence Graph and Deep Learning Model. IEEE Access, 2019, 7, 141987-141999.	2.6	29
120	Redundancy Coefficient Gradual Up-weighting-based Mutual Information Feature Selection technique for Crypto-ransomware early detection. Future Generation Computer Systems, 2021, 115, 641-658.	4.9	29
121	A secure localization scheme based on trust assessment for WSNs using blockchain technology. Future Generation Computer Systems, 2021, 125, 221-231.	4.9	29
122	Blockchain-Based Data Storage With Privacy and Authentication in Internet of Things. IEEE Internet of Things Journal, 2022, 9, 14203-14215.	5.5	28
123	Enabling the content dissemination through caching in the state-of-the-art sustainable information and communication technologies. Sustainable Cities and Society, 2020, 61, 102291.	5.1	28
124	A secure and lightweight authentication scheme for next generation IoT infrastructure. Computer Communications, 2021, 165, 85-96.	3.1	28
125	Zero knowledge proofs based authenticated key agreement protocol for sustainable healthcare. Sustainable Cities and Society, 2022, 80, 103766.	5.1	28
126	Ultra Super Fast Authentication Protocol for Electric Vehicle Charging Using Extended Chaotic Maps. IEEE Transactions on Industry Applications, 2022, 58, 5616-5623.	3.3	28

#	ARTICLE	IF	CITATIONS
127	BCFL logging: An approach to acquire and preserve admissible digital forensics evidence in cloud ecosystem. <i>Future Generation Computer Systems</i> , 2021, 122, 1-13.	4.9	27
128	Data Freshness Optimization Under CAA in the UAV-Aided MECN: A Potential Game Perspective. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2023, 24, 12912-12921.	4.7	27
129	Anonymous and Verifiable Reputation System for E-Commerce Platforms Based on Blockchain. <i>IEEE Transactions on Network and Service Management</i> , 2021, 18, 4434-4449.	3.2	26
130	Situation-Aware BDI Reasoning to Detect Early Symptoms of Covid 19 Using Smartwatch. <i>IEEE Sensors Journal</i> , 2023, 23, 898-905.	2.4	26
131	ANiTW: A Novel Intelligent Text Watermarking technique for forensic identification of spurious information on social media. <i>Computers and Security</i> , 2020, 90, 101702.	4.0	25
132	Designing Authenticated Key Management Scheme in 6G-Enabled Network in a Box Deployed for Industrial Applications. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 7174-7184.	7.2	25
133	Incentive Mechanisms for Smart Grid: State of the Art, Challenges, Open Issues, Future Directions. <i>Big Data and Cognitive Computing</i> , 2022, 6, 47.	2.9	25
134	Multi-scale Learning based Malware Variant Detection using Spatial Pyramid Pooling Network. , 2020, , .		24
135	3P-SAKE: Privacy-preserving and physically secured authenticated key establishment protocol for wireless industrial networks. <i>Computer Communications</i> , 2021, 175, 82-90.	3.1	24
136	Detecting malicious behaviour using supervised learning algorithms of the function calls. <i>International Journal of Electronic Security and Digital Forensics</i> , 2013, 5, 90.	0.1	23
137	Using response action with intelligent intrusion detection and prevention system against web application malware. <i>Information Management and Computer Security</i> , 2014, 22, 431-449.	1.2	23
138	BC-EdgeFL: A Defensive Transmission Model Based on Blockchain-Assisted Reinforced Federated Learning in IIoT Environment. <i>IEEE Transactions on Industrial Informatics</i> , 2022, 18, 3551-3561.	7.2	22
139	The Effectiveness of the Flipped Classroom in Higher Education. , 2015, , .		21
140	A Smart Cloud Service Management Algorithm for Vehicular Clouds. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021, 22, 5329-5340.	4.7	21
141	Neural Architecture Search for Robust Networks in 6G-Enabled Massive IoT Domain. <i>IEEE Internet of Things Journal</i> , 2021, 8, 5332-5339.	5.5	21
142	Smart Sensing Based Functional Control for Reducing Uncertainties in Agricultural Farm Data Analysis. <i>IEEE Sensors Journal</i> , 2021, 21, 17469-17478.	2.4	20
143	PriParkRec: Privacy-Preserving Decentralized Parking Recommendation Service. <i>IEEE Transactions on Vehicular Technology</i> , 2021, 70, 4037-4050.	3.9	19
144	Information Security Governance. <i>Advances in Information Security, Privacy, and Ethics Book Series</i> , 0, , 293-315.	0.4	19

#	ARTICLE	IF	CITATIONS
145	DURLD: Malicious URL Detection Using Deep Learning-Based Character Level Representations. , 2021, , 535-554.		19
146	Eunomia: Anonymous and Secure Vehicular Digital Forensics Based on Blockchain. IEEE Transactions on Dependable and Secure Computing, 2023, 20, 225-241.	3.7	19
147	Betalogger: Smartphone Sensor-based Side-channel Attack Detection and Text Inference Using Language Modeling and Dense MultiLayer Neural Network. ACM Transactions on Asian and Low-Resource Language Information Processing, 2021, 20, 1-17.	1.3	18
148	Driver Identification Using Optimized Deep Learning Model in Smart Transportation. ACM Transactions on Internet Technology, 2022, 22, 1-17.	3.0	18
149	A Hybrid Technique To Detect Botnets, Based on P2P Traffic Similarity. , 2019, , .		17
150	PRISED tangle: a privacy-aware framework for smart healthcare data sharing using IOTA tangle. Complex & Intelligent Systems, 2023, 9, 3023-3041.	4.0	17
151	Prediction of Landsliding using Univariate Forecasting Models. Internet Technology Letters, 2022, 5, e209.	1.4	16
152	DHACS: Smart Contract-Based Decentralized Hybrid Access Control for Industrial Internet-of-Things. IEEE Transactions on Industrial Informatics, 2022, 18, 3452-3461.	7.2	16
153	Six Sigma Approach to Improve Quality in E-Services. International Journal of Electronic Government Research, 2012, 8, 57-74.	0.5	15
154	Deep Learning Techniques for Behavioral Malware Analysis in Cloud IaaS. , 2021, , 269-285.		15
155	Energy management scheme for wireless powered D2D users with NOMA underlying full duplex UAV. , 2020, , .		15
156	IoT-assisted physical education training network virtualization and resource management using a deep reinforcement learning system. Complex & Intelligent Systems, 2022, 8, 1229-1242.	4.0	15
157	Guest Editorial Special Issue on Privacy and Security in Distributed Edge Computing and Evolving IoT. IEEE Internet of Things Journal, 2020, 7, 2496-2500.	5.5	14
158	Louder bark with no bite: Privacy protection through the regulation of mandatory data breach notification in Australia. Future Generation Computer Systems, 2021, 116, 22-29.	4.9	14
159	Differentially Private Tensor Train Deep Computation for Internet of Multimedia Things. ACM Transactions on Multimedia Computing, Communications and Applications, 2020, 16, 1-20.	3.0	14
160	Data Security Through Zero-Knowledge Proof and Statistical Fingerprinting in Vehicle-to-Healthcare Everything (V2HX) Communications. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 3869-3879.	4.7	14
161	The Blockchain Solution for the Security of Internet of Energy and Electric Vehicle Interface. IEEE Transactions on Vehicular Technology, 2021, 70, 7495-7508.	3.9	14
162	MEML: Resource-aware MQTT-based Machine Learning for Network Attacks Detection on IoT Edge Devices. , 2019, , .		14

#	ARTICLE	IF	CITATIONS
163	BioUAV. , 2020, , .		14
164	Secure Passive Keyless Entry and Start System Using Machine Learning. Lecture Notes in Computer Science, 2018, , 304-313.	1.0	13
165	A Lightweight Signcryption Method for Perception Layer in Internet-of-Things. Journal of Information Security and Applications, 2020, 55, 102662.	1.8	13
166	CASCF: Certificateless Aggregated SignCryption Framework for Internet-of-Things Infrastructure. IEEE Access, 2020, 8, 94748-94756.	2.6	13
167	Adaptive and Priority-Based Resource Allocation for Efficient Resources Utilization in Mobile-Edge Computing. IEEE Internet of Things Journal, 2023, 10, 3079-3093.	5.5	13
168	A Framework for Prediction and Storage of Battery Life in IoT Devices using DNN and Blockchain. , 2020, , .		13
169	DisBezant: Secure and Robust Federated Learning Against Byzantine Attack in IoT-Enabled MTS. IEEE Transactions on Intelligent Transportation Systems, 2022, , 1-11.	4.7	13
170	AI-Enabled Task Offloading for Improving Quality of Computational Experience in Ultra Dense Networks. ACM Transactions on Internet Technology, 2022, 22, 1-17.	3.0	13
171	Disclosure of cyber security vulnerabilities: time series modelling. International Journal of Electronic Security and Digital Forensics, 2018, 10, 255.	0.1	12
172	Socioscope: I know who you are, a robo, human caller or service number. Future Generation Computer Systems, 2020, 105, 297-307.	4.9	12
173	Identifying Cyber Predators through Forensic Authorship Analysis of Chat Logs. , 2012, , .		11
174	A Novel Deep Learning Model to Secure Internet of Things in Healthcare. Studies in Computational Intelligence, 2021, , 341-353.	0.7	11
175	A deep learning architecture for power management in smart cities. Energy Reports, 2022, 8, 1568-1577.	2.5	11
176	CroLSSim: Crossâ€language software similarity detector using hybrid approach of LSAâ€based ASTâ€MDrep features and CNNâ€LSTM model. International Journal of Intelligent Systems, 2022, 37, 5768-5795.	3.3	11
177	Spam and Criminal Activity. SSRN Electronic Journal, 0, , .	0.4	10
178	The malware detection challenge of accuracy. , 2016, , .		10
179	Ransomware Triage Using Deep Learning: Twitter as a Case Study. , 2019, , .		10
180	Predicting likelihood of legitimate data loss in email DLP. Future Generation Computer Systems, 2020, 110, 744-757.	4.9	10

#	ARTICLE	IF	CITATIONS
181	User-Defined Privacy-Preserving Traffic Monitoring Against n-by-1 Jamming Attack. IEEE/ACM Transactions on Networking, 2022, 30, 2060-2073.	2.6	10
182	Multiagent Reinforcement Learning-Based Semi-Persistent Scheduling Scheme in C-V2X Mode 4. IEEE Transactions on Vehicular Technology, 2022, 71, 12044-12056.	3.9	10
183	Big Data Security Frameworks Meet the Intelligent Transportation Systems Trust Challenges. , 2019, , .		9
184	A Blockchain Framework in Post-Quantum Decentralization. IEEE Transactions on Services Computing, 2021, , 1-1.	3.2	9
185	Ant-Inspired Recurrent Deep Learning Model for Improving the Service Flow of Intelligent Transportation Systems. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 3654-3663.	4.7	9
186	A Decentralized Mechanism Based on Differential Privacy for Privacy-Preserving Computation in Smart Grid. IEEE Transactions on Computers, 2022, 71, 2915-2926.	2.4	9
187	Towards Automatic Image Segmentation Using Optimised Region Growing Technique. Lecture Notes in Computer Science, 2009, , 131-139.	1.0	8
188	Exploiting Vulnerability Disclosures: Statistical Framework and Case Study. , 2016, , .		8
189	Latency Evaluation of SDFGs on Heterogeneous Processors Using Timed Automata. IEEE Access, 2020, 8, 140171-140180.	2.6	8
190	Modeling of Extreme Vulnerability Disclosure in Smart City Industrial Environments. IEEE Transactions on Industrial Informatics, 2021, 17, 4150-4158.	7.2	8
191	Boosted Tree Classifier Algorithm Based Collaborative Computing Framework for Smart System. IEEE Transactions on Network Science and Engineering, 2022, 9, 1082-1090.	4.1	8
192	An Analysis of the Nature of Spam as Cybercrime. , 2017, , 251-266.		7
193	Common Security Criteria for Vehicular Clouds and Internet of Vehicles Evaluation and Selection. , 2019, , .		7
194	A Reinforcement Learning Based Algorithm Towards Energy Efficient 5G Multi-Tier Network. , 2019, , .		7
195	Dynamic-Driven Congestion Control and Segment Rerouting in the 6G-Enabled Data Networks. IEEE Transactions on Industrial Informatics, 2021, 17, 7165-7173.	7.2	7
196	Question-aware memory network for multi-hop question answering in human-robot interaction. Complex & Intelligent Systems, 2022, 8, 851-861.	4.0	7
197	Trust management for internet of things using cloud computing and security in smart cities. Cluster Computing, 2022, 25, 1765-1777.	3.5	7
198	Towards Energy Efficient Approx Cache-coherence Protocol Verified using Model Checker. Computers and Electrical Engineering, 2022, 97, 107482.	3.0	7

#	ARTICLE	IF	CITATIONS
199	Organizations and Cybercrime. SSRN Electronic Journal, 2013, , .	0.4	6
200	Classification of Malware Using Visualisation of Similarity Matrices. , 2017, , .		6
201	Cyber Terrorism: Research Review: Research Report of the Australian National University Cybercrime Observatory for the Korean Institute of Criminology. SSRN Electronic Journal, 0, , .	0.4	6
202	Improving Accessibility for Mobility Impaired People in Smart City using Crowdsourcing. , 2019, , .		6
203	Non-Recurrent Classification Learning Model for Drone Assisted Vehicular Ad-Hoc Network Communication in Smart Cities. IEEE Transactions on Network Science and Engineering, 2021, 8, 2792-2800.	4.1	6
204	On Designing a Lesser Obtrusive Authentication Protocol to Prevent Machine-Learning-Based Threats in Internet of Things. IEEE Internet of Things Journal, 2021, 8, 3255-3267.	5.5	6
205	A secure demand response management authentication scheme for smart grid. Sustainable Energy Technologies and Assessments, 2021, 48, 101571.	1.7	6
206	Trajectory Data Acquisition via Private Car Positioning Based on Tightly-coupled GPS/OBD Integration in Urban Environments. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 9680-9691.	4.7	6
207	Privacy-Preserving Ride-Hailing with Verifiable Order-Linking in Vehicular Networks. , 2020, , .		6
208	Computer Application in Game Map Path-Finding Based on Fuzzy Logic Dynamic Hierarchical Ant Colony Algorithm. International Journal of Fuzzy Systems, 2022, 24, 2513-2524.	2.3	6
209	Can Blockchain be Trusted in Industry 4.0? Study of a Novel Misleading Attack on Bitcoin. IEEE Transactions on Industrial Informatics, 2022, 18, 8307-8315.	7.2	6
210	Joint Optimal Quantization and Aggregation of Federated Learning Scheme in VANETs. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 19852-19863.	4.7	6
211	AI-based quality of service optimization for multimedia transmission on Internet of Vehicles (IoV) systems. Sustainable Energy Technologies and Assessments, 2022, 52, 102055.	1.7	6
212	Adversarial malware sample generation method based on the prototype of deep learning detector. Computers and Security, 2022, 119, 102762.	4.0	6
213	Guest Editorial: Security and Privacy Issues in Industry 4.0 Applications. IEEE Transactions on Industrial Informatics, 2022, 18, 6326-6329.	7.2	6
214	Vulnerabilities Analysis and Security Assessment Framework for the Internet of Things. , 2019, , .		5
215	Integrating Multihub Driven Attention Mechanism and Big Data Analytics for Virtual Representation of Visual Scenes. IEEE Transactions on Industrial Informatics, 2022, 18, 1435-1444.	7.2	5
216	IntAnti-Phish: An Intelligent Anti-Phishing Framework Using Backpropagation Neural Network. Studies in Computational Intelligence, 2021, , 217-230.	0.7	5

#	ARTICLE	IF	CITATIONS
217	The Role of Spam in Cybercrime: Data from the Australian Cybercrime Pilot Observatory. , 2015, , 103-120.		5
218	A Hybrid Wrapper-Filter Approach for Malware Detection. Journal of Networks, 1969, 9, .	0.4	5
219	AmritaDGA: a comprehensive data set for domain generation algorithms (DGAs) based domain name detection systems and application of deep learning. , 2019, , 455-485.		5
220	A Survey of Intelligent Techniques for Android Malware Detection. , 2021, , 121-162.		5
221	Anomaly-based intrusion detection system in IoT using kernel extreme learning machine. Journal of Ambient Intelligence and Humanized Computing, 2024, 15, 231-242.	3.3	5
222	Blockchain Assisted Disease Identification of COVID-19 Patients with the Help of IDA-DNN Classifier. Wireless Personal Communications, 2022, 126, 2597-2620.	1.8	5
223	Analysis of firewall log-based detection scenarios for evidence in digital forensics. International Journal of Electronic Security and Digital Forensics, 2012, 4, 261.	0.1	4
224	Malicious Code Detection Using Penalized Splines on OPcode Frequency. , 2012, , .		4
225	Skype Traffic Classification Using Cost Sensitive Algorithms. , 2013, , .		4
226	Quality-aware trajectory planning of cellular connected UAVs. , 2020, , .		4
227	Review of the Malware Categorization in the Era of Changing Cybethreats Landscape: Common Approaches, Challenges and Future Needs. , 2021, , 71-96.		4
228	Deep learning architecture for big data analytics in detecting intrusions and malicious URL. , 2019, , 303-336.		3
229	Spam and crime. , 2017, , 517-532.		3
230	A Model-Based Method for Enabling Source Mapping and Intrusion Detection on Proprietary Can Bus. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 12922-12932.	4.7	3
231	AFFIRM: Provably Forward Privacy for Searchable Encryption in Cooperative Intelligent Transportation System. IEEE Transactions on Intelligent Transportation Systems, 2022, , 1-12.	4.7	3
232	Cyber Security in the Gulf Cooperation Council. SSRN Electronic Journal, 2015, , .	0.4	2
233	AndroShow: A Large Scale Investigation to Identify the Pattern of Obfuscated Android Malware. Studies in Computational Intelligence, 2021, , 191-216.	0.7	2
234	Quality Approaches for Performance Measurement in Jordanian E-Government Services. Advances in Electronic Government, Digital Divide, and Regional Development Book Series, 2014, , 99-119.	0.2	2

#	ARTICLE	IF	CITATIONS
235	A Newly Routing Protocol for MANET. Journal of Convergence Information Technology, 2009, 4, 36-40.	0.1	2
236	Toward Detection of Child Exploitation Material: A Forensic Approach. Advanced Sciences and Technologies for Security Applications, 2019, , 221-246.	0.4	2
237	GOM: New genetic optimizing model for broadcasting tree in MANET. , 2010, , .		1
238	A Model Based Approach for the Extraction of Network Forensic Artifacts. , 2017, , .		1
239	Revisiting the Approaches, Datasets and Evaluation Parameters to Detect Android Malware: A Comparative Study from State-of-Art. Studies in Big Data, 2021, , 125-141.	0.8	1
240	Deep Learning Approach for Intelligent Intrusion Detection System. , 0, .		1
241	Stochastic Model Based Approach for Biometric Identification. , 2010, , 303-308.		1
242	Disclosure of cyber security vulnerabilities: time series modelling. International Journal of Electronic Security and Digital Forensics, 2018, 10, 255.	0.1	1
243	Foreword: Special Issue on Trends in Artificial Intelligence and Data Analytics for an Ethical and Inclusive Digitalized Society. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2021, 29, v-vii.	0.9	1
244	The Role of Spam in Cybercrime. , 0, , .		1
245	Transfer Learning-Aided Collaborative Computational Method for Intelligent Transportation System Applications. IEEE Transactions on Green Communications and Networking, 2022, 6, 1355-1367.	3.5	1
246	Keynote: Mamoun Bader. , 2016, , .		0
247	A Secure DSR Routing Protocol for MANET. Journal of Convergence Information Technology, 2009, , .	0.1	0
248	Cybercrime and Data Breach: Privacy Protection through the Regulation of Voluntary Notification. SSRN Electronic Journal, 0, , .	0.4	0
249	Quality Approaches for Performance Measurement in Jordanian E-Government Services. , 0, , 1356-1374.		0
250	Decentralized security framework for future IoT end-to-end connectivity. Annals of Operations Research, 0, , 1.	2.6	0
251	A Variational AutoEncoder-Based Relational Model for Cost-Effective Automatic Medical Fraud Detection. IEEE Transactions on Dependable and Secure Computing, 2023, 20, 3408-3420.	3.7	0