

A Survey of Data Mining and Machine Learning Method Detection

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Citation Report

#	ARTICLE	IF	CITATIONS
1	A Transparent Learning Approach for Attack Prediction Based on User Behavior Analysis. Lecture Notes in Computer Science, 2016, , 159-172.	1.3	3
2	On efficiency enhancement of the correlation-based feature selection for intrusion detection systems. , 2016, , .		31
3	Ca-NIDS: A network intrusion detection system using combinatorial algorithm approach. Journal of Information Privacy and Security, 2016, 12, 181-196.	0.4	18
4	Analyzing impact of communication network topologies on reconfiguration of networked microgrids, impact of communication system on smart grid reliability, security and operation. , 2016, , .		8
5	Contextual information fusion for intrusion detection: a survey and taxonomy. Knowledge and Information Systems, 2017, 52, 563-619.	3.2	32
6	Cyber Immunity. Lecture Notes in Computer Science, 2017, , 199-208.	1.3	4
7	An Efficient Intrusion Detection Approach for Visual Sensor Networks Based on Traffic Pattern Learning. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 2704-2713.	9.3	90
8	Machine Learning for Cyber Physical Systems. , 2017, , .		2
9	A GA-LR wrapper approach for feature selection in network intrusion detection. Computers and Security, 2017, 70, 255-277.	6.0	256
10	Flow-based intrusion detection: Techniques and challenges. Computers and Security, 2017, 70, 238-254.	6.0	134
11	Internet Traffic Profiling. , 2017, , 113-152.		1
12	Anomaly Detection in Industrial Networks using Machine Learning: A Roadmap. , 2017, , 65-72.		27
13	A Deep Learning Approach for Intrusion Detection Using Recurrent Neural Networks. IEEE Access, 2017, 5, 21954-21961.	4.2	1,145
14	A Toolset for Intrusion and Insider Threat Detection. Data Analytics, 2017, , 3-31.	0.8	7
15	A novel approach for internet traffic classification based on multi-objective evolutionary fuzzy classifiers. , 2017, , .		9
16	Unsupervised Anomaly Detection for Network Flow Using Immune Network Based K-means Clustering. Communications in Computer and Information Science, 2017, , 386-399.	0.5	6
17	A Feasibility Study of Autonomically Detecting In-Process Cyber-Attacks. , 2017, , .		5
18	Feature selection for flow-based intrusion detection using Rough Set Theory. , 2017, , .		10

#	ARTICLE	IF	CITATIONS
19	Enterprise data breach: causes, challenges, prevention, and future directions. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2017, 7, e1211.	6.8	114
20	Smart Cities: A Survey on Data Management, Security, and Enabling Technologies. IEEE Communications Surveys and Tutorials, 2017, 19, 2456-2501.	39.4	383
21	On the Sequential Pattern and Rule Mining in the Analysis of Cyber Security Alerts. , 2017, , .		11
22	Development of a network intrusion detection system using Apache Hadoop and Spark. , 2017, , .		21
23	Hybrid feature selection for supporting lightweight intrusion detection systems. Journal of Physics: Conference Series, 2017, 887, 012031.	0.4	4
24	A review on cyber security datasets for machine learning algorithms. , 2017, , .		67
25	Metric learning with statistical features for network traffic classification. , 2017, , .		4
26	GML learning, a generic machine learning model for network measurements analysis. , 2017, , .		16
27	IP2Vec: Learning Similarities Between IP Addresses. , 2017, , .		46
28	Smoke Detector. , 2017, , .		4
29	Evaluating shallow and deep networks for ransomware detection and classification. , 2017, , .		68
30	Intrusion Detection Using End-to-End Memory Network. , 2017, , .		1
31	A Dimension Reduction Model and Classifier for Anomaly-Based Intrusion Detection in Internet of Things. , 2017, , .		45
32	A Self-Protection Agent Using Error Correcting Output Codes to Secure Computers and Applications. , 2017, , .		2
33	A bio-inspired secure IPv6 communication protocol for Internet of Things. , 2017, , .		7
34	Automatic martian dust storm detection via decision level fusion based on deep extreme learning machine. , 2017, , .		2
35	Internet Traffic Analysis Using Community Detection and Apache Spark. , 2017, , .		1
36	A detailed study on machine learning techniques for data mining. , 2017, , .		11

#	ARTICLE	IF	CITATIONS
37	An open source adaptive user interface for network monitoring. , 2017, , .		1
38	Learning mechanisms for anomaly-based intruson detection: Updated review. , 2017, , .		0
39	Reasoning and Knowledge Acquisition Framework for 5G Network Analytics. Sensors, 2017, 17, 2405.	3.8	11
40	Toward Bulk Synchronous Parallel-Based Machine Learning Techniques for Anomaly Detection in High-Speed Big Data Networks. Symmetry, 2017, 9, 197.	2.2	18
41	On the performance of a deep learning-based anomaly detection system for 5G networks. , 2017, , .		22
42	Survey anomaly detection in network using big data analytics. , 2017, , .		4
43	Security Enrichment in Intrusion Detection System Using Classifier Ensemble. Journal of Electrical and Computer Engineering, 2017, 2017, 1-6.	0.9	11
44	Towards Large-Scale, Heterogeneous Anomaly Detection Systems in Industrial Networks: A Survey of Current Trends. Security and Communication Networks, 2017, 2017, 1-17.	1.5	13
45	EnClass: Ensemble-Based Classification Model for Network Anomaly Detection in Massive Datasets. , 2017, , .		23
46	Prediction of heart disease using ensemble learning and Particle Swarm Optimization. , 2017, , .		48
47	A survey on Intrusion Detection System (IDS) and Internal Intrusion Detection and protection system (IIDPS). , 2017, , .		53
48	Educational Data Mining Based on Multi-objective Weighted Voting Ensemble Classifier. , 2017, , .		2
49	Association Mining Analysis of Alarm Root-Causes in Power System with Topological Constraints. , 2017, , .		3
50	Sustainable securing of Medical Cyber-Physical Systems for the healthcare of the future. Sustainable Computing: Informatics and Systems, 2018, 19, 138-146.	2.2	18
51	Anomaly detection in smart card logs and distant evaluation with Twitter: a robust framework. Neurocomputing, 2018, 298, 109-121.	5.9	15
52	Machine learning-based IDS for software-defined 5G network. IET Networks, 2018, 7, 53-60.	1.8	62
53	Intrusion detection taxonomy and data preprocessing mechanisms. Journal of Intelligent and Fuzzy Systems, 2018, 34, 1369-1383.	1.4	13
54	Robustness of deep autoencoder in intrusion detection under adversarial contamination. , 2018, , .		27

#	ARTICLE	IF	CITATIONS
55	An Effective Two-Step Intrusion Detection Approach Based on Binary Classification and \$k\$-NN. IEEE Access, 2018, 6, 12060-12073.	4.2	92
56	Notice of Retraction: Defects Identification in a TSV Daisy-Chain Structure by a Machine Learning Approach. IEEE Transactions on Electromagnetic Compatibility, 2018, 60, 1932-1938.	2.2	0
57	Distributed Privacy-Preserving Collaborative Intrusion Detection Systems for VANETs. IEEE Transactions on Signal and Information Processing Over Networks, 2018, 4, 148-161.	2.8	116
58	Big data analytics for wireless and wired network design: A survey. Computer Networks, 2018, 132, 180-199.	5.1	75
59	A Self-Adaptive Deep Learning-Based System for Anomaly Detection in 5G Networks. IEEE Access, 2018, 6, 7700-7712.	4.2	196
60	A New Approach to Track Multiple Vehicles With the Combination of Robust Detection and Two Classifiers. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 174-186.	8.0	56
61	An artificial immunity-enhancing module for internet servers against cyberattacks. Artificial Life and Robotics, 2018, 23, 292-297.	1.2	6
62	Applying domain-specific knowledge to construct features for detecting distributed denial-of-service attacks on the COOSE and MMS protocols. International Journal of Critical Infrastructure Protection, 2018, 20, 48-67.	4.6	14
63	Optimization Research of Decision Support System Based on Data Mining Algorithm. Wireless Personal Communications, 2018, 102, 2913-2925.	2.7	11
64	Intrusion Detection in High-Speed Big Data Networks: A Comprehensive Approach. Lecture Notes in Electrical Engineering, 2018, , 1364-1370.	0.4	0
65	HAST-IDS: Learning Hierarchical Spatial-Temporal Features Using Deep Neural Networks to Improve Intrusion Detection. IEEE Access, 2018, 6, 1792-1806.	4.2	388
66	Large-scale cyber attacks monitoring using Evolving Cauchy Possibilistic Clustering. Applied Soft Computing Journal, 2018, 62, 592-601.	7.2	25
67	An Enhanced Approach to Fuzzy C-means Clustering for Anomaly Detection. Smart Innovation, Systems and Technologies, 2018, , 623-636.	0.6	16
68	Applying Event Stream Processing to Network Online Failure Prediction. , 2018, 56, 166-170.		13
69	Machine Learning for Cognitive Network Management. , 2018, 56, 158-165.		150
70	A Survey of Deep Learning: Platforms, Applications and Emerging Research Trends. IEEE Access, 2018, 6, 24411-24432.	4.2	429
71	Time Series Feature Extraction on basis of Scalable Hypothesis tests (tsfresh – A Python package). Neurocomputing, 2018, 307, 72-77.	5.9	649
72	A Hybrid Intrusion Detection System for Contemporary Network Intrusion Dataset. Advances in Intelligent Systems and Computing, 2018, , 57-69.	0.6	0

#	ARTICLE	IF	CITATIONS
73	A systematic review on intrusion detection based on the Hidden Markov Model. Statistical Analysis and Data Mining, 2018, 11, 111-134.	2.8	25
74	A training-resistant anomaly detection system. Computers and Security, 2018, 76, 1-11.	6.0	14
75	A Survey on Network Security-Related Data Collection Technologies. IEEE Access, 2018, 6, 18345-18365.	4.2	66
76	A heuristics approach to mine behavioural data logs in mobile malware detection system. Data and Knowledge Engineering, 2018, 115, 129-151.	3.4	23
77	Nearest neighbors based density peaks approach to intrusion detection. Chaos, Solitons and Fractals, 2018, 110, 33-40.	5.1	54
78	Performance comparison of intrusion detection systems and application of machine learning to Snort system. Future Generation Computer Systems, 2018, 80, 157-170.	7.5	135
79	Detecting crypto-ransomware in IoT networks based on energy consumption footprint. Journal of Ambient Intelligence and Humanized Computing, 2018, 9, 1141-1152.	4.9	190
80	Security for 4G and 5G cellular networks: A survey of existing authentication and privacy-preserving schemes. Journal of Network and Computer Applications, 2018, 101, 55-82.	9.1	190
81	Improving Auto-Detection of Phishing Websites using Fresh-Phish Framework. International Journal of Multimedia Data Engineering and Management, 2022, 9, 1-14.	0.4	4
82	Review on Network Intrusion Detection Techniques using Machine Learning. , 2018, , .		3
83	An immune based dynamic risk control system. , 2018, , .		1
84	OpenSPA - An Open and Extensible Protocol for Single Packet Authorization. , 2018, , .		0
85	Malicious HTML File Prediction: A Detection and Classification Perspective with Noisy Data. , 2018, , .		3
86	Performance Analysis of Anomaly Based Network Intrusion Detection Systems. , 2018, , .		6
87	Designing a Fine-Tuning Tool for Machine Learning with High-Speed and Low-Power Processing. , 2018, , .		1
88	Intrusion Detection System for NSL-KDD Dataset Using Convolutional Neural Networks. , 2018, , .		75
89	A Survey of Anomaly and Automation from a Cybersecurity Perspective. , 2018, , .		8
90	VCDDeepFL: Vector Convolutional Deep Feature Learning Approach for Identification of Known and Unknown Denial of Service Attacks. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
91	State of the Art in Artificial Immune-Based Intrusion Detection Systems for Smart Grids. , 2018, , .		3
92	Cyber Intrusion Prediction and Taxonomy System Using Deep Learning And Distributed Big Data Processing. , 2018, , .		13
93	Current Applications of Machine Learning Techniques in CRM: A Literature Review and Practical Implications. , 2018, , .		12
94	Knowledge Acquisition in the Cockpit Using One-Shot Learning. , 2018, , .		0
95	Unsupervised Anomaly Based Botnet Detection in IoT Networks. , 2018, , .		53
96	Building a Machine Learning Model for the SOC, by the Input from the SOC, and Analyzing it for the SOC. , 2018, , .		10
97	Cyber Security: Threat Detection Model based on Machine learning Algorithm. , 2018, , .		7
98	A Method Based on RF Spectral Featuresfor Evaluating the Porosity Degree in Ceramic Materials. , 2018, , .		1
99	Network Traffic Classification Techniques-A Review. , 2018, , .		8
100	3D SOM Learning And Neighborhood Algorithm. , 2018, , .		1
101	Statistical Profiling of n-grams for Payload Based Anomaly Detection for HTTP Web Traffic. , 2018, , .		1
102	Pearson Correlation Analysis to Detect Misbehavior in VANET. , 2018, , .		6
103	Locating and Disregarding the Information from Compromised Sensors in a WSN. , 2018, , .		0
104	A Network Intrusion Detection System Based On Ensemble CVM Using Efficient Feature Selection Approach. Procedia Computer Science, 2018, 143, 442-449.	2.0	25
105	Data Analysis for Anomaly Detection to Secure Rail Network. , 2018, , .		1
106	Survey of Public Safety Communications: User-Side and Network-Side Solutions and Future Directions. IEEE Access, 2018, 6, 70397-70425.	4.2	38
107	A Feature Selection Approach for Network Intrusion Detection Based on Tree-Seed Algorithm and K-Nearest Neighbor. , 2018, , .		37
108	On the Analysis of Network Measurements Through Machine Learning: The Power of the Crowd. , 2018, , .		6

#	ARTICLE	IF	CITATIONS
109	Dendritic Cell Algorithm with Optimised Parameters Using Genetic Algorithm. , 2018, , .		19
110	When Machine Learning meets Security Issues: A survey. , 2018, , .		15
111	An Ensemble Approach for Detecting Anomalous User Behaviors. International Journal of Software Engineering and Knowledge Engineering, 2018, 28, 1637-1656.	0.8	4
112	The Challenges in ML-Based Security for SDN. , 2018, , .		12
113	Performance Analysis of Machine Learning Classifiers for Intrusion Detection. , 2018, , .		23
114	Adversarial Examples Against the Deep Learning Based Network Intrusion Detection Systems. , 2018, , .		59
115	Dimensionality Reduction for Machine Learning Based IoT Botnet Detection. , 2018, , .		45
116	Intrusion Prevention Method to Secure Network Sessions. , 2018, , .		0
117	A 3D Approach for the Visualization of Network Intrusion Detection Data. , 2018, , .		4
118	Big Data for Cybersecurity. , 2018, , 1-9.		1
119	A Survey on Industrial Internet of Things: A Cyber-Physical Systems Perspective. IEEE Access, 2018, 6, 78238-78259.	4.2	384
120	A Bayesian Intrusion Detection Framework. , 2018, , .		13
121	ScaleNet: Scalable and Hybrid Framework for Cyber Threat Situational Awareness Based on DNS, URL, and Email Data Analysis. Journal of Cyber Security and Mobility, 2018, 8, 189-240.	0.7	25
122	Towards Stream Based Intrusion Detection System. , 2018, , .		0
123	An Improved Stacked Auto-Encoder for Network Traffic Flow Classification. IEEE Network, 2018, 32, 22-27.	6.9	47
124	Investigation of network intrusion detection using data visualization methods. , 2018, , .		6
125	A Secure and Efficient Certificateless Authentication Scheme With Unsupervised Anomaly Detection in VANETs. IEEE Access, 2018, 6, 74260-74276.	4.2	44
126	An Approach of Collecting Performance Anomaly Dataset for NFV Infrastructure. Lecture Notes in Computer Science, 2018, , 59-71.	1.3	3

#	ARTICLE	IF	CITATIONS
127	Detection of slow port scans in flow-based network traffic. PLoS ONE, 2018, 13, e0204507.	2.5	30
128	A Two-Stage Classifier Approach for Network Intrusion Detection. Lecture Notes in Computer Science, 2018, , 329-340.	1.3	21
129	Deep Neural Network Architecture for Anomaly Based Intrusion Detection System. , 2018, , .		18
130	Automatic Multi-task Learning System for Abnormal Network Traffic Detection. International Journal of Emerging Technologies in Learning, 2018, 13, 4.	1.3	44
131	Distributed Abnormal Behavior Detection Approach Based on Deep Belief Network and Ensemble SVM Using Spark. IEEE Access, 2018, 6, 59657-59671.	4.2	131
132	Detection of phishing websites using a novel twofold ensemble model. Journal of Systems and Information Technology, 2018, 20, 321-357.	1.7	12
133	Intelligent Security Measures for Smart Cyber Physical Systems. , 2018, , .		10
134	Detecting Ransomware using GURLS. , 2018, , .		5
135	Anomaly Detection Methods for IIoT Networks. , 2018, , .		18
136	Gravity Theory-Based Affinity Propagation Clustering Algorithm and Its Applications. Tehnicki Vjesnik, 2018, 25, .	0.2	1
137	A Network Visualization System for Anomaly Detection and Attack Tracing. Communications in Computer and Information Science, 2018, , 560-574.	0.5	1
138	Significant data region identification and analysis using <i>k</i> -means in large storage drive forensics. Security and Privacy, 2018, 1, e40.	2.7	2
139	The Mouseworld, a security traffic analysis lab based on NFV/SDN. , 2018, , .		17
140	Machine Learning Fingerprinting Methods in Cyber Security Domain: Which one to Use?. , 2018, , .		3
141	Development of Machine Learning Algorithms for Prediction of 5-Year Spinal Chordoma Survival. World Neurosurgery, 2018, 119, e842-e847.	1.3	33
142	IoT Security Techniques Based on Machine Learning: How Do IoT Devices Use AI to Enhance Security?. IEEE Signal Processing Magazine, 2018, 35, 41-49.	5.6	450
143	An Enhanced Approach for Intrusion Detection in Virtual Network of Cloud Computing. , 2018, , .		6
144	Machine Learning and Deep Learning Methods for Cybersecurity. IEEE Access, 2018, 6, 35365-35381.	4.2	704

#	ARTICLE	IF	CITATIONS
145	Classification of Exploit-Kit behaviors via machine learning approach. , 2018, , .		2
146	Distance Measurement Methods for Improved Insider Threat Detection. Security and Communication Networks, 2018, 2018, 1-18.	1.5	38
147	Network Intrusion Detection with Threat Agent Profiling. Security and Communication Networks, 2018, 2018, 1-17.	1.5	12
148	Sentiment Analysis of Big Data: Methods, Applications, and Open Challenges. IEEE Access, 2018, 6, 37807-37827.	4.2	116
149	A study on flow features selection for malicious activities detection in software defined networks. , 2018, , .		2
150	Detecting Internet Abuse by Analyzing Passive DNS Traffic: A Survey of Implemented Systems. IEEE Communications Surveys and Tutorials, 2018, 20, 3389-3415.	39.4	31
151	A comprehensive survey on machine learning for networking: evolution, applications and research opportunities. Journal of Internet Services and Applications, 2018, 9, .	2.1	606
152	Internet of Things for Modern Energy Systems: State-of-the-Art, Challenges, and Open Issues. Energies, 2018, 11, 1252.	3.1	67
153	Can Ternary Computing Improve Information Assurance?. Cryptography, 2018, 2, 6.	2.3	29
154	User-Oriented Piezoelectric Force Sensing and Artificial Neural Networks in Interactive Displays. IEEE Journal of the Electron Devices Society, 2018, 6, 766-773.	2.1	20
155	An efficient hybrid SVDD/clustering approach for anomaly-based intrusion detection. , 2018, , .		9
156	Unsupervised intrusion detection through skip-gram models of network behavior. Computers and Security, 2018, 78, 187-197.	6.0	29
157	From Intrusion Detection to Attacker Attribution: A Comprehensive Survey of Unsupervised Methods. IEEE Communications Surveys and Tutorials, 2018, 20, 3369-3388.	39.4	121
158	Using semantic variations in clustering insiders behavior. , 2018, , .		0
159	Foundations and applications of artificial Intelligence for zero-day and multi-step attack detection. Eurasip Journal on Information Security, 2018, 2018, .	3.1	25
160	False Data Injection Attacks in Healthcare. Communications in Computer and Information Science, 2018, , 192-202.	0.5	9
161	Evaluation of Apache Spot's machine learning capabilities in an SDN/NFV enabled environment. , 2018, , .		4
162	Robustness for Smart Cyber Physical Systems and Internet-of-Things: From Adaptive Robustness Methods to Reliability and Security for Machine Learning. , 2018, , .		17

#	ARTICLE	IF	CITATIONS
163	Learning Universal Adversarial Perturbations with Generative Models. , 2018, , .		66
164	Cyber security challenges: An efficient intrusion detection system design. , 2018, , .		11
165	A Critical Review of Practices and Challenges in Intrusion Detection Systems for IoT: Toward Universal and Resilient Systems. IEEE Communications Surveys and Tutorials, 2018, 20, 3496-3509.	39.4	143
166	Real-Time Dynamic Network Anomaly Detection. IEEE Intelligent Systems, 2018, 33, 5-18.	4.0	7
167	Intrusion detection system using Online Sequence Extreme Learning Machine (OS-ELM) in advanced metering infrastructure of smart grid. PLoS ONE, 2018, 13, e0192216.	2.5	30
168	Semantic Mapping of Security Events to Known Attack Patterns. Lecture Notes in Computer Science, 2018, , 91-98.	1.3	0
169	A Detailed Investigation and Analysis of Using Machine Learning Techniques for Intrusion Detection. IEEE Communications Surveys and Tutorials, 2019, 21, 686-728.	39.4	386
170	ML-based cyber incident detection for Electronic Medical Record (EMR) systems. Smart Health, 2019, 12, 3-23.	3.2	15
171	A comprehensive survey on network anomaly detection. Telecommunication Systems, 2019, 70, 447-489.	2.5	184
172	A Survey of Machine Learning Techniques Applied to Software Defined Networking (SDN): Research Issues and Challenges. IEEE Communications Surveys and Tutorials, 2019, 21, 393-430.	39.4	418
174	Security Data Collection and Data Analytics in the Internet: A Survey. IEEE Communications Surveys and Tutorials, 2019, 21, 586-618.	39.4	84
175	A Survey on Game-Theoretic Approaches for Intrusion Detection and Response Optimization. ACM Computing Surveys, 2019, 51, 1-31.	23.0	37
176	Situ: Identifying and Explaining Suspicious Behavior in Networks. IEEE Transactions on Visualization and Computer Graphics, 2019, 25, 204-214.	4.4	42
177	Search-based test and improvement of machine-learning-based anomaly detection systems. , 2019, , .		5
178	A Deep One-class Model for Network Anomaly Detection. IOP Conference Series: Materials Science and Engineering, 2019, 563, 042007.	0.6	1
179	Group-Wise Principal Component Analysis for Exploratory Intrusion Detection. IEEE Access, 2019, 7, 113081-113093.	4.2	14
180	Identifying and Benchmarking Key Features for Cyber Intrusion Detection: An Ensemble Approach. IEEE Access, 2019, 7, 106495-106513.	4.2	63
181	Importance of Small Probability Events in Big Data: Information Measures, Applications, and Challenges. IEEE Access, 2019, 7, 100363-100382.	4.2	9

#	ARTICLE	IF	CITATIONS
182	Adaptive Fault Detection Exploiting Redundancy with Uncertainties in Space and Time. , 2019, , .		5
183	A Novel Distributed Semi-Supervised Approach for Detection of Network Based Attacks. , 2019, , .		5
184	Movie Recommender System Using K-Means Clustering AND K-Nearest Neighbor. , 2019, , .		87
185	Grouping detection and forecasting security controls using unrestricted cooperative bargains. Computer Communications, 2019, 146, 155-173.	5.1	1
186	Multi-Source Cyber-Attacks Detection using Machine Learning. , 2019, , .		1
187	Generative Adversarial Networks For Launching and Thwarting Adversarial Attacks on Network Intrusion Detection Systems. , 2019, , .		81
188	Cognitive information measurements: A new perspective. Information Sciences, 2019, 505, 487-497.	6.9	74
189	Edge Computing Based Traffic Analysis System Using Broad Learning. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 238-251.	0.3	2
190	Detection of Malicious Remote Shell Sessions. , 2019, , .		4
191	Survey of intrusion detection systems: techniques, datasets and challenges. Cybersecurity, 2019, 2, .	4.7	744
192	A Semi-Supervised Learning Approach for Network Anomaly Detection in Fog Computing. , 2019, , .		11
193	Analysis of Socket Communication Technology Based on Machine Learning Algorithms Under TCP/IP Protocol in Network Virtual Laboratory System. IEEE Access, 2019, 7, 80453-80464.	4.2	9
194	KARL: Fast Kernel Aggregation Queries. , 2019, , .		9
195	An Adaptive Multi-Layer Botnet Detection Technique Using Machine Learning Classifiers. Applied Sciences (Switzerland), 2019, 9, 2375.	2.5	92
196	A Binary Learning Framework for Hyperdimensional Computing. , 2019, , .		44
197	Deep in the Dark - Deep Learning-Based Malware Traffic Detection Without Expert Knowledge. , 2019, , .		19
198	Classification of PROFINET I/O Configurations utilizing Neural Networks. , 2019, , .		2
199	Time-Aware Detection Systems. Proceedings (mdpi), 2019, 21, .	0.2	0

#	ARTICLE	IF	CITATIONS
200	Semi-supervised tri-Adaboost algorithm for network intrusion detection. International Journal of Distributed Sensor Networks, 2019, 15, 155014771984605.	2.2	15
201	An interactive visual analytics approach for network anomaly detection through smart labeling. Journal of Visualization, 2019, 22, 955-971.	1.8	15
202	Fusing Deep Quick Response Code Representations Improves Malware Text Classification. , 2019, , .		3
203	Machine Learning and Deep Learning Methods for Intrusion Detection Systems: A Survey. Applied Sciences (Switzerland), 2019, 9, 4396.	2.5	464
204	A Methodological Approach to Weaponizing Machine Learning. , 2019, , .		1
205	Detecting IoT User Behavior and Sensitive Information in Encrypted IoT-App Traffic. Sensors, 2019, 19, 4777.	3.8	23
206	Deep Structured Cross-Modal Anomaly Detection. , 2019, , .		11
207	Wart Treatment Selection with a Decision Tree-Based Approach. , 2019, , .		0
208	Applications of Artificial Intelligence and Machine Learning in the Area of SDN and NFV: A Survey. , 2019, , .		27
209	Low-Complexity Adaptive Chromatic Dispersion Estimation Scheme Using Machine Learning for Coherent Long-Reach Passive Optical Networks. IEEE Photonics Journal, 2019, 11, 1-11.	2.0	15
210	Cyber Defence in Articles on WoK. , 2019, , .		0
211	Providing Cyber Security using Artificial Intelligence â€“ A survey. , 2019, , .		10
212	Zero Residual Attacks on Industrial Control Systems and Stateful Countermeasures. , 2019, , .		8
213	Intrusion Detection on IoT Services using Event Sampling and Correlation (poster). , 2019, , .		1
214	Uncertainty-Aware Authentication Model for Fog Computing in IoT. , 2019, , .		11
215	FREDPC: A Feasible Residual Error-Based Density Peak Clustering Algorithm With the Fragment Merging Strategy. IEEE Access, 2019, 7, 89789-89804.	4.2	28
216	Important Complexity Reduction of Random Forest in Multi-Classification Problem. , 2019, , .		26
217	Alchemy: Stochastic Feature Regeneration for Malicious Network Traffic Classification. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
218	Impact of Machine Learning in Various Network Security Applications. , 2019, , .		24
219	A Systematic Review “Intrusion Detection Algorithms Optimisation for Network Forensic Analysis and Investigation. , 2019, , .		4
220	Performance Improvement of Decision Trees for Diagnosis of Coronary Artery Disease Using Multi Filtering Approach. , 2019, , .		20
221	Monitoring Under-Modeled Rare Events for URLLC. , 2019, , .		3
222	Survey of AI in Cybersecurity for Information Technology Management. , 2019, , .		21
223	DEMISe. , 2019, , .		20
224	A Semantic Approach for Cyber Threat Prediction Using Machine Learning. , 2019, , .		4
225	Network Anomaly Detection by Using a Time-Decay Closed Frequent Pattern. Information (Switzerland), 2019, 10, 262.	2.9	1
226	A Framework for Collaborative Learning in Secure High-Dimensional Space. , 2019, , .		56
227	Big Data Analytics for Large-scale Wireless Networks. ACM Computing Surveys, 2020, 52, 1-36.	23.0	87
228	Semi-supervised Power Iteration Clustering. Procedia Computer Science, 2019, 147, 588-595.	2.0	1
229	Software Engineering Repositories. , 2019, , .		17
230	Behavior-Aware Network Segmentation using IP Flows. , 2019, , .		1
231	On the performance of intelligent techniques for intensive and stealthy DDos detection. Computer Networks, 2019, 164, 106906.	5.1	9
232	Accelerating convolutional neural network-based malware traffic detection through ant-colony clustering. Journal of Intelligent and Fuzzy Systems, 2019, 37, 409-423.	1.4	8
233	VARMAN: Multi-plane security framework for software defined networks. Computer Communications, 2019, 148, 215-239.	5.1	57
234	Generating Labeled Flow Data from MAWILab Traces for Network Intrusion Detection. , 2019, , .		7
235	Detecting web attacks with end-to-end deep learning. Journal of Internet Services and Applications, 2019, 10, .	2.1	47

#	ARTICLE	IF	CITATIONS
236	Detecting Network Events by Analyzing Dynamic Behavior of Distributed Network. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 645-655.	0.3	0
238	Network Intrusion Detection for IoT Security Based on Learning Techniques. IEEE Communications Surveys and Tutorials, 2019, 21, 2671-2701.	39.4	511
239	Architectural Tactics for Big Data Cybersecurity Analytics Systems: A Review. Journal of Systems and Software, 2019, 151, 81-118.	4.5	53
240	Application of Big Data and Machine Learning in Smart Grid, and Associated Security Concerns: A Review. IEEE Access, 2019, 7, 13960-13988.	4.2	298
241	An intrusion detection system for connected vehicles in smart cities. Ad Hoc Networks, 2019, 90, 101842.	5.5	278
242	Fast Intra Prediction Mode Decision for HEVC Using Random Forest. , 2019, , .		6
243	Application of Deep Learning Architectures for Cyber Security. Advanced Sciences and Technologies for Security Applications, 2019, , 125-160.	0.5	9
244	The Role of Machine Learning and Radio Reconfigurability in the Quest for Wireless Security. Advances in Information Security, 2019, , 191-221.	1.2	0
245	Using Conceptual Modeling to Support Machine Learning. Lecture Notes in Business Information Processing, 2019, , 170-181.	1.0	17
246	Toward a Secure IoT Architecture. Studies in Systems, Decision and Control, 2019, , 297-323.	1.0	0
247	Data-Driven Network Intelligence for Anomaly Detection. IEEE Network, 2019, 33, 88-95.	6.9	35
248	The Comparative Analysis of Single-Objective and Multi-objective Evolutionary Feature Selection Methods. Advances in Intelligent Systems and Computing, 2019, , 975-985.	0.6	0
249	Securing Data With Blockchain and AI. IEEE Access, 2019, 7, 77981-77989.	4.2	36
250	Identifying IoT devices and events based on packet length from encrypted traffic. Computer Communications, 2019, 144, 8-17.	5.1	65
251	Predicting Cyberbullying on Social Media in the Big Data Era Using Machine Learning Algorithms: Review of Literature and Open Challenges. IEEE Access, 2019, 7, 70701-70718.	4.2	87
252	Comparison of Network Intrusion Detection Performance Using Feature Representation. Communications in Computer and Information Science, 2019, , 463-475.	0.5	12
253	A Data Sharing Protocol to Minimize Security and Privacy Risks of Cloud Storage in Big Data Era. IEEE Access, 2019, 7, 60290-60298.	4.2	21
254	On the Adversarial Robustness of Subspace Learning. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
255	Machine Learning Techniques for Classifying Network Anomalies and Intrusions. , 2019, , .		38
256	Exploring user behavioral data for adaptive cybersecurity. User Modeling and User-Adapted Interaction, 2019, 29, 701-750.	3.8	18
257	A survey on evolutionary machine learning. Journal of the Royal Society of New Zealand, 2019, 49, 205-228.	1.9	159
258	Unsupervised Machine Learning for Networking: Techniques, Applications and Research Challenges. IEEE Access, 2019, 7, 65579-65615.	4.2	206
259	An empirical study of intelligent approaches to DDoS detection in large scale networks. , 2019, , .		6
260	How Deep Learning Is Making Information Security More Intelligent. IEEE Security and Privacy, 2019, 17, 56-65.	1.2	26
261	Improving Intrusion Detection Model Prediction by Threshold Adaptation. Information (Switzerland), 2019, 10, 159.	2.9	15
262	Detecting Cyber Attacks Using Anomaly Detection with Explanations and Expert Feedback. , 2019, , .		14
263	A Machine Learning-Based Intrusion Detection System for Securing Remote Desktop Connections to Electronic Flight Bag Servers. IEEE Transactions on Dependable and Secure Computing, 2021, 18, 1164-1181.	5.4	24
264	Patient-Centric Cellular Networks Optimization Using Big Data Analytics. IEEE Access, 2019, 7, 49279-49296.	4.2	50
265	The hybrid technique for DDoS detection with supervised learning algorithms. Computer Networks, 2019, 158, 35-45.	5.1	76
266	Network Anomaly Intrusion Detection Using a Nonparametric Bayesian Approach and Feature Selection. IEEE Access, 2019, 7, 52181-52190.	4.2	94
267	An Efficient Hybrid Self-Learning Intrusion Detection System Based on Neural Networks. International Journal of Computational Intelligence and Applications, 2019, 18, .	0.8	10
268	Autoencoder-Based on Anomaly Detection with Intrusion Scoring for Smart Factory Environments. Communications in Computer and Information Science, 2019, , 414-423.	0.5	3
269	Intelligent Methods in Digital Forensics: State of the Art. Lecture Notes in Networks and Systems, 2019, , 274-284.	0.7	6
270	A Cascade-structured Meta-Specialists Approach for Neural Network-based Intrusion Detection. , 2019, , .		12
271	Application of deep learning to cybersecurity: A survey. Neurocomputing, 2019, 347, 149-176.	5.9	191
272	Deep Radial Intelligence with Cumulative Incarnation approach for detecting Denial of Service attacks. Neurocomputing, 2019, 340, 294-308.	5.9	31

#	ARTICLE	IF	CITATIONS
273	Research on the Internet of Things Device Recognition Based on RF-Fingerprinting. IEEE Access, 2019, 7, 37426-37431.	4.2	34
274	SVM-Based Traffic Data Classification for Secured IoT-Based Road Signaling System. International Journal of Intelligent Information Technologies, 2019, 15, 22-50.	0.8	7
275	A Systematic Framework for Malicious Traffic Detection Based on Feature Repository. Lecture Notes in Computer Science, 2019, , 601-612.	1.3	0
276	Enforcing security in Internet of Things frameworks: A Systematic Literature Review. Internet of Things (Netherlands), 2019, 6, 100050.	7.7	61
277	Deep Learning in Mobile and Wireless Networking: A Survey. IEEE Communications Surveys and Tutorials, 2019, 21, 2224-2287.	39.4	1,010
278	Physical Access System Security of IoT Devices using Machine Learning Techniques. SSRN Electronic Journal, 0, , .	0.4	4
279	A Survey of Deep Learning Methods for Cyber Security. Information (Switzerland), 2019, 10, 122.	2.9	306
280	Requirements for Training and Evaluation Dataset of Network and Host Intrusion Detection System. Advances in Intelligent Systems and Computing, 2019, , 534-546.	0.6	6
281	A Method for Guaranteeing Wireless Communication Based on a Combination of Deep and Shallow Learning. IEEE Access, 2019, 7, 38688-38695.	4.2	33
282	Network data management model based on Naïve Bayes classifier and deep neural networks in heterogeneous wireless networks. Computers and Electrical Engineering, 2019, 75, 135-145.	4.8	21
283	TSDL: A Two-Stage Deep Learning Model for Efficient Network Intrusion Detection. IEEE Access, 2019, 7, 30373-30385.	4.2	220
284	Exploiting the Power of Group Differences: Using Patterns to Solve Data Analysis Problems. Synthesis Lectures on Data Mining and Knowledge Discovery, 2019, 11, 1-146.	0.5	5
285	A novel machine learning approach for database exploitation detection and privilege control. Journal of Information and Telecommunication, 2019, 3, 308-325.	2.8	5
286	A Practical Intrusion Visualization Analyzer based on Self-organizing Map. , 2019, , .		0
287	Feature Correlation Map based Statistical Approach for Denial of Service Attacks Detection. , 2019, , .		6
288	FARE: Schema-Agnostic Anomaly Detection in Social Event Logs. , 2019, , .		0
289	Quantifying the Impact of Design Strategies for Big Data Cyber Security Analytics: An Empirical Investigation. , 2019, , .		1
290	Assessing Centroid-Based Classification Models for Intrusion Detection System Using Composite Indicators. Procedia Computer Science, 2019, 161, 665-676.	2.0	9

#	ARTICLE	IF	CITATIONS
291	An Accelerated Linear Approximation Method in Deep Actor-Critic Framework. , 2019, , .		0
292	NERD: Neural Network for Edict of Risky Data Streams. , 2019, , .		1
293	LuNet: A Deep Neural Network for Network Intrusion Detection. , 2019, , .		50
294	Deep Learning-Based Detection of Fake Task Injection in Mobile Crowdsensing. , 2019, , .		14
295	Distributed Network Behaviour Prediction Using Machine Learning and Agent-Based Micro Simulation. , 2019, , .		2
296	Network Data Flow Clustering based on Unsupervised Learning. , 2019, , .		1
297	Novel Machine Learning Technique for Intrusion Detection in Recent Network-based Attacks. , 2019, , .		3
298	Fane: A Firewall Appliance For The Smart Home. , 0, , .		9
299	Learning From Evolving Network Data for Dependable Botnet Detection. , 2019, , .		2
300	Exploring Feature Normalization and Temporal Information for Machine Learning Based Insider Threat Detection. , 2019, , .		28
301	A Precise Method for Monitoring and Detecting Recurrent Attacks on Wireless Networks based on Link-Layer Traffic Classification. , 2019, , .		0
302	CECoR-Net: A Character-Level Neural Network Model for Web Attack Detection. , 2019, , .		5
303	Early Intrusion Detection for OS Scan Attacks. , 2019, , .		9
304	Implementation of a Host-Based Intrusion Detection System for Avionic Applications. , 2019, , .		3
305	Dimensionality reduction of a phishing attack using decision tree classifier. , 2019, , .		1
306	An Intrusion Detection System Based on Convolutional Neural Network for Imbalanced Network Traffic. , 2019, , .		30
307	Micro-Level Incident Analysis using Spatial Association Rule Mining. , 2019, , .		1
308	A Study on Traffic Characteristics for Anomaly Detection of Ethernet-based IVN. , 2019, , .		4

#	ARTICLE	IF	CITATIONS
309	Review of Cybersecurity Research Topics, Taxonomy and Challenges: Interdisciplinary Perspective. , 2019, , .		17
310	Network Intrusion Detection System Using Voting Ensemble Machine Learning. , 2019, , .		9
311	Performance comparison of local versus cloud malware detection on Android using machine learning techniques. , 2019, , .		0
312	Dynamic Insider Threat Detection Based on Adaptable Genetic Programming. , 2019, , .		4
313	Practical Application of Machine Learning based Online Intrusion Detection to Internet of Things Networks. , 2019, , .		8
314	Malware Attack Predictive Analytics in a Cyber Supply Chain Context Using Machine Learning. , 2019, , .		15
315	IDSA-IoT: An Intrusion Detection System Architecture for IoT Networks. , 2019, , .		13
316	Research on the Impact of Internet Evolution on Accounting Information System Based on Data Mining. Journal of Physics: Conference Series, 2019, 1345, 052055.	0.4	3
317	A Long Short-Term Memory Enabled Framework for DDoS Detection. , 2019, , .		30
318	A Novel Self-Adaptive Affinity Propagation Clustering Algorithm Based on Density Peak Theory and Weighted Similarity. IEEE Access, 2019, 7, 175106-175115.	4.2	4
319	Improved Network Traffic Classification Using Ensemble Learning. , 2019, , .		22
320	An ANN Based Sequential Detection Method for Balancing Performance Indicators of IDS. , 2019, , .		4
321	Intrusion detection based on nonsymmetric sparse autoencoder. , 2019, , .		2
322	Use of Machine Learning algorithms for designing efficient cyber security solutions. , 2019, , .		20
323	Information Security threats and attacks with conceivable counteraction. , 2019, , .		25
324	PcapGAN: Packet Capture File Generator by Style-Based Generative Adversarial Networks. , 2019, , .		13
325	Efficient Feature Selection for Intrusion Detection Systems. , 2019, , .		10
326	Development of an Efficient Network Intrusion Detection Model Using Extreme Gradient Boosting (XGBoost) on the UNSW-NB15 Dataset. , 2019, , .		22

#	ARTICLE	IF	CITATIONS
327	A Multi-Agent Approach for Hybrid Intrusion Detection in Industrial Networks: Design and Implementation. , 2019, , .		3
328	Embedded Intrusion Detection System for Detecting Attacks over CAN-BUS. , 2019, , .		17
329	A Method Based on Hierarchical Spatiotemporal Features for Trojan Traffic Detection. , 2019, , .		6
330	Towards the Integration of a Post-Hoc Interpretation Step into the Machine Learning Workflow for IoT Botnet Detection. , 2019, , .		9
331	Network Intrusion Detection Based on Xgboost Model Improved by Quantum-behaved Particle Swarm Optimization. , 2019, , .		3
332	A Survey on Cyber Security Threats and Challenges in Modern Society. , 2019, , .		8
333	Metrics and Techniques for Early Detection in Communication Networks. , 2019, , .		0
334	Reducing Consumed Data Volume in Bandwidth Measurements via a Machine Learning Approach. , 2019, , .		2
335	Supervised Machine Learning Techniques for Efficient Network Intrusion Detection. , 2019, , .		14
336	The comparison network model for cyber anomaly detection. Intelligent Data Analysis, 2019, 23, 1313-1334.	0.9	3
337	An Incremental Broad Learning Approach for Semi-Supervised Classification. , 2019, , .		5
338	Intrusion Detection Based on Stacked Autoencoder for Connected Healthcare Systems. IEEE Network, 2019, 33, 64-69.	6.9	35
339	Hybrid Feature Selection Models for Machine Learning Based Botnet Detection in IoT Networks. , 2019, , .		28
340	Unsupervised machine learning for network-centric anomaly detection in IoT. , 2019, , .		43
341	Cooperative Relay Based on Machine Learning for Enhancing Physical Layer Security. , 2019, , .		7
342	A Review of Intelligent Cybersecurity with Bayesian Networks. , 2019, , .		7
343	Network Data Analysis and Anomaly Detection Using CNN Technique for Industrial Control Systems Security. , 2019, , .		6
344	IoT Device Identification via Network-Flow Based Fingerprinting and Learning. , 2019, , .		39

#	ARTICLE	IF	CITATIONS
345	Feature Extraction Optimization for Bitstream Communication Protocol Format Reverse Analysis. , 2019, , .		8
346	ADS-B Data Attack Detection Based on Generative Adversarial Networks. Lecture Notes in Computer Science, 2019, , 323-336.	1.3	1
347	Web Application Security: An Investigation on Static Analysis with other Algorithms to Detect Cross Site Scripting. Procedia Computer Science, 2019, 161, 1173-1181.	2.0	10
348	User abnormal behavior recommendation via multilayer network. PLoS ONE, 2019, 14, e0224684.	2.5	6
349	Modern Machine Learning for Cyber-Defense and Distributed Denial-of-Service Attacks. IEEE Engineering Management Review, 2019, 47, 80-85.	1.3	8
350	A Deep Learning Approach for Network Intrusion Detection Based on NSL-KDD Dataset. , 2019, , .		39
351	Artificial Intelligence Managed Network Defense System against Port Scanning Outbreaks. , 2019, , .		7
352	Domain-Adversarial Transfer Learning for Robust Intrusion Detection in the Smart Grid. , 2019, , .		7
353	An Effective Network Intrusion Detection Framework Based on Learning to Hash. , 2019, , .		1
354	Detection and Classification of Network Events in LAN Using CNN. , 2019, , .		7
355	A Feature Selection Method of Parallel Grey Wolf Optimization Algorithm Based on Spark. , 2019, , .		2
356	A fast unsupervised preprocessing method for network monitoring. Annales Des Telecommunications/Annals of Telecommunications, 2019, 74, 139-155.	2.5	28
357	Machine Learning Algorithms for Network Intrusion Detection. Intelligent Systems Reference Library, 2019, , 151-179.	1.2	23
358	Real-time big data processing for anomaly detection: A Survey. International Journal of Information Management, 2019, 45, 289-307.	17.5	245
359	Intrusion Detection and Risk Evaluation in Online Transactions Using Partitioning Methods. Lecture Notes in Computer Science, 2019, , 190-200.	1.3	0
360	A Big Data and machine learning approach for network monitoring and security. Security and Privacy, 2019, 2, e53.	2.7	5
361	Flow-based network traffic generation using Generative Adversarial Networks. Computers and Security, 2019, 82, 156-172.	6.0	111
362	A machine learning approach for cost prediction analysis in environmental governance engineering. Neural Computing and Applications, 2019, 31, 8195-8203.	5.6	9

#	ARTICLE	IF	CITATIONS
363	A Highly Efficient Intrusion Detection Method Based on Hierarchical Extreme Learning Machine. Proceedings in Adaptation, Learning and Optimization, 2019, , 317-326.	1.6	0
364	Network traffic fusion and analysis against DDoS flooding attacks with a novel reversible sketch. Information Fusion, 2019, 51, 100-113.	19.1	63
365	A Brief Survey on Random Forest Ensembles in Classification Model. Lecture Notes in Networks and Systems, 2019, , 253-260.	0.7	52
366	AI-Based Two-Stage Intrusion Detection for Software Defined IoT Networks. IEEE Internet of Things Journal, 2019, 6, 2093-2102.	8.7	150
367	An Overview on Application of Machine Learning Techniques in Optical Networks. IEEE Communications Surveys and Tutorials, 2019, 21, 1383-1408.	39.4	374
368	Adaptive security-related data collection with context awareness. Journal of Network and Computer Applications, 2019, 126, 88-103.	9.1	24
369	Towards the Deployment of Machine Learning Solutions in Network Traffic Classification: A Systematic Survey. IEEE Communications Surveys and Tutorials, 2019, 21, 1988-2014.	39.4	204
370	A Roadmap Toward the Resilient Internet of Things for Cyber-Physical Systems. IEEE Access, 2019, 7, 13260-13283.	4.2	87
371	Machine Learning-Based Anomaly Detection for Load Forecasting Under Cyberattacks. IEEE Transactions on Smart Grid, 2019, 10, 5724-5734.	9.0	104
372	Protecting VNF services with smart online behavior anomaly detection method. Future Generation Computer Systems, 2019, 95, 265-276.	7.5	1
373	Multilayer Data-Driven Cyber-Attack Detection System for Industrial Control Systems Based on Network, System, and Process Data. IEEE Transactions on Industrial Informatics, 2019, 15, 4362-4369.	11.3	200
374	Improving the effectiveness of intrusion detection systems for hierarchical data. Knowledge-Based Systems, 2019, 168, 59-69.	7.1	28
375	A real-time network security visualization system based on incremental learning (ChinaVis 2018). Journal of Visualization, 2019, 22, 215-229.	1.8	10
376	Data-Driven Cybersecurity Incident Prediction: A Survey. IEEE Communications Surveys and Tutorials, 2019, 21, 1744-1772.	39.4	216
377	A holistic review of Network Anomaly Detection Systems: A comprehensive survey. Journal of Network and Computer Applications, 2019, 128, 33-55.	9.1	211
378	Imbalanced data classification algorithm with support vector machine kernel extensions. Evolutionary Intelligence, 2019, 12, 341-347.	3.6	4
379	Survey of Attack Projection, Prediction, and Forecasting in Cyber Security. IEEE Communications Surveys and Tutorials, 2019, 21, 640-660.	39.4	172
380	A taxonomy and survey of cyber-physical intrusion detection approaches for vehicles. Ad Hoc Networks, 2019, 84, 124-147.	5.5	81

#	ARTICLE	IF	CITATIONS
381	A Secure High-Order Lanczos-Based Orthogonal Tensor SVD for Big Data Reduction in Cloud Environment. IEEE Transactions on Big Data, 2019, 5, 355-367.	6.1	24
382	Outliers detection methods in wireless sensor networks. Artificial Intelligence Review, 2019, 52, 2411-2436.	15.7	18
383	Dynamic management of a deep learning-based anomaly detection system for 5G networks. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 3083-3097.	4.9	42
384	A Two-Layer Dimension Reduction and Two-Tier Classification Model for Anomaly-Based Intrusion Detection in IoT Backbone Networks. IEEE Transactions on Emerging Topics in Computing, 2019, 7, 314-323.	4.6	285
385	Big data analytics enhanced healthcare systems: a review. Journal of Supercomputing, 2020, 76, 1754-1799.	3.6	69
386	Risk-Based Scheduling of Security Tasks in Industrial Control Systems With Consideration of Safety. IEEE Transactions on Industrial Informatics, 2020, 16, 3112-3123.	11.3	16
387	Toward Massive Machine Type Communications in Ultra-Dense Cellular IoT Networks: Current Issues and Machine Learning-Assisted Solutions. IEEE Communications Surveys and Tutorials, 2020, 22, 426-471.	39.4	256
388	A Network Intrusion Detection Model Based on Convolutional Neural Network. Advances in Intelligent Systems and Computing, 2020, , 771-783.	0.6	6
389	A Self Healing Microservices Architecture: A Case Study in Docker Swarm Cluster. Advances in Intelligent Systems and Computing, 2020, , 846-858.	0.6	7
390	A survey of edge computing-based designs for IoT security. Digital Communications and Networks, 2020, 6, 195-202.	5.0	166
391	Robust deep auto-encoding Gaussian process regression for unsupervised anomaly detection. Neurocomputing, 2020, 376, 180-190.	5.9	39
392	Hashed Needham Schroeder Industrial IoT based Cost Optimized Deep Secured data transmission in cloud. Measurement: Journal of the International Measurement Confederation, 2020, 150, 107077.	5.0	56
393	A hybrid secure routing and monitoring mechanism in IoT-based wireless sensor networks. Ad Hoc Networks, 2020, 97, 102022.	5.5	93
394	An Industrial Network Intrusion Detection Algorithm Based on Multifeature Data Clustering Optimization Model. IEEE Transactions on Industrial Informatics, 2020, 16, 2063-2071.	11.3	140
395	Interactive three-dimensional visualization of network intrusion detection data for machine learning. Future Generation Computer Systems, 2020, 102, 292-306.	7.5	48
396	Proposed Models for Advanced Persistent Threat Detection: A Review. Advances in Intelligent Systems and Computing, 2020, , 141-148.	0.6	1
397	Security Approaches in Machine Learning for Satellite Communication. Studies in Computational Intelligence, 2020, , 189-204.	0.9	32
398	DeepCoin: A Novel Deep Learning and Blockchain-Based Energy Exchange Framework for Smart Grids. IEEE Transactions on Engineering Management, 2020, 67, 1285-1297.	3.5	208

#	ARTICLE	IF	CITATIONS
399	A soft computing model based on asymmetric Gaussian mixtures and Bayesian inference. Soft Computing, 2020, 24, 4841-4853.	3.6	5
400	Data-Driven Edge Intelligence for Robust Network Anomaly Detection. IEEE Transactions on Network Science and Engineering, 2020, 7, 1481-1492.	6.4	33
401	A whale optimization algorithm-trained artificial neural network for smart grid cyber intrusion detection. Neural Computing and Applications, 2020, 32, 9427-9441.	5.6	74
402	Security precautionary technology for enterprise information resource database based on genetic algorithm in age of big data. Journal of Computational Methods in Sciences and Engineering, 2020, 20, 427-434.	0.2	2
403	EsPADA: Enhanced Payload Analyzer for malware Detection robust against Adversarial threats. Future Generation Computer Systems, 2020, 104, 159-173.	7.5	18
404	A Survey on Representation Learning Efforts in Cybersecurity Domain. ACM Computing Surveys, 2020, 52, 1-28.	23.0	18
405	A Robust Cybersecurity Solution Platform Architecture for Digital Instrumentation and Control Systems in Nuclear Power Facilities. Nuclear Technology, 2020, 206, 939-950.	1.2	5
406	Data-Driven Cyber Security in Perspective—Intelligent Traffic Analysis. IEEE Transactions on Cybernetics, 2020, 50, 3081-3093.	9.5	78
407	Application of intrusion detection technology in network safety based on machine learning. Safety Science, 2020, 124, 104604.	4.9	46
408	Robust detection for network intrusion of industrial IoT based on multi-CNN fusion. Measurement: Journal of the International Measurement Confederation, 2020, 154, 107450.	5.0	175
409	A Survey on the Internet of Things (IoT) Forensics: Challenges, Approaches, and Open Issues. IEEE Communications Surveys and Tutorials, 2020, 22, 1191-1221.	39.4	455
410	Voting Margin: A Scheme for Error-Tolerant k -Nearest Neighbors Classifiers for Machine Learning. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 2089-2098.	4.6	7
411	HELAD: A novel network anomaly detection model based on heterogeneous ensemble learning. Computer Networks, 2020, 169, 107049.	5.1	105
412	Deep learning for cyber security intrusion detection: Approaches, datasets, and comparative study. Journal of Information Security and Applications, 2020, 50, 102419.	2.5	421
413	A Survey of Intrusion Detection Systems Leveraging Host Data. ACM Computing Surveys, 2020, 52, 1-35.	23.0	59
414	Machine learning applications in imaging analysis for patients with pituitary tumors: a review of the current literature and future directions. Pituitary, 2020, 23, 273-293.	2.9	22
415	Enhancing network intrusion detection classifiers using supervised adversarial training. Journal of Supercomputing, 2020, 76, 6690-6719.	3.6	19
416	A context-aware robust intrusion detection system: a reinforcement learning-based approach. International Journal of Information Security, 2020, 19, 657-678.	3.4	65

#	ARTICLE	IF	CITATIONS
417	Identifying OSPF LSA falsification attacks through non-linear analysis. Computer Networks, 2020, 167, 107031.	5.1	7
418	Clustering Categorical Data: A Survey. International Journal of Information Technology and Decision Making, 2020, 19, 49-96.	3.9	12
419	DRaNN: A Deep Random Neural Network Model for Intrusion Detection in Industrial IoT. , 2020, , .		23
420	Evaluating Artificial Immune System Algorithms for Intrusion Detection. , 2020, , .		5
421	Efficient Algorithms for Kernel Aggregation Queries. IEEE Transactions on Knowledge and Data Engineering, 2020, , 1-1.	5.7	2
422	Deep Reinforcement Adversarial Learning Against Botnet Evasion Attacks. IEEE Transactions on Network and Service Management, 2020, 17, 1975-1987.	4.9	55
423	Utilising Deep Learning Techniques for Effective Zero-Day Attack Detection. Electronics (Switzerland), 2020, 9, 1684.	3.1	75
424	Pathways and challenges of the application of artificial intelligence to geohazards modelling. Gondwana Research, 2021, 100, 290-301.	6.0	87
425	Exploring Adversarial Properties of Insider Threat Detection. , 2020, , .		11
426	Intrusion Detection with Segmented Federated Learning for Large-Scale Multiple LANs. , 2020, , .		15
427	Towards artificial intelligence enabled 6G: State of the art, challenges, and opportunities. Computer Networks, 2020, 183, 107556.	5.1	76
428	Training Guidance with KDD Cup 1999 and NSL-KDD Data Sets of ANIDINR: Anomaly-Based Network Intrusion Detection System. Procedia Computer Science, 2020, 175, 560-565.	2.0	21
429	Po-Miner: Random Poem Generator and Security Model. , 2020, , .		2
430	De-Wipimization: Detection of data wiping traces for investigating NTFS file system. Computers and Security, 2020, 99, 102034.	6.0	8
431	Two Decades of AI4NETS - AI/ML for Data Networks: Challenges & Research Directions. , 2020, , .		2
432	Learning from Usage Analysis of Mobile Devices. Procedia Computer Science, 2020, 167, 1648-1655.	2.0	1
433	Applying big data based deep learning system to intrusion detection. Big Data Mining and Analytics, 2020, 3, 181-195.	8.9	85
434	A Brute-Force Black-Box Method to Attack Machine Learning-Based Systems in Cybersecurity. IEEE Access, 2020, 8, 128250-128263.	4.2	31

#	ARTICLE	IF	CITATIONS
435	System Error Prediction for Business Support Systems in Telecommunications Networks. IEEE Transactions on Parallel and Distributed Systems, 2020, 31, 2723-2733.	5.6	4
436	Unknown Security Attack Detection Using Shallow and Deep ANN Classifiers. Electronics (Switzerland), 2020, 9, 2006.	3.1	13
437	Human Falling Detection Algorithm Based on Multisensor Data Fusion with SVM. Mobile Information Systems, 2020, 2020, 1-9.	0.6	20
438	A Network Intrusion Detection Method Based on Stacked Autoencoder and LSTM. , 2020, , .		30
439	An Evolutionary SVM Model for DDOS Attack Detection in Software Defined Networks. IEEE Access, 2020, 8, 132502-132513.	4.2	132
440	A Review of Intrusion Detection Systems Using Machine and Deep Learning in Internet of Things: Challenges, Solutions and Future Directions. Electronics (Switzerland), 2020, 9, 1177.	3.1	125
441	An Efficient Mixed Attribute Outlier Detection Method for Identifying Network Intrusions. International Journal of Information Security and Privacy, 2020, 14, 115-133.	0.8	33
442	CICIDS-2017 Dataset Feature Analysis With Information Gain for Anomaly Detection. IEEE Access, 2020, 8, 132911-132921.	4.2	164
443	Genetic convolutional neural network for intrusion detection systems. Future Generation Computer Systems, 2020, 113, 418-427.	7.5	79
444	Bottleneck prediction of urban road network based on improved PSO algorithms and fuzzy control. Journal of Intelligent and Fuzzy Systems, 2020, 39, 5833-5843.	1.4	0
445	A GP-based ensemble classification framework for time-changing streams of intrusion detection data. Soft Computing, 2020, 24, 17541-17560.	3.6	14
446	Comprehensive analysis and recommendation of feature evaluation measures for intrusion detection. Heliyon, 2020, 6, e04262.	3.2	21
447	Deep learning methods in network intrusion detection: A survey and an objective comparison. Journal of Network and Computer Applications, 2020, 169, 102767.	9.1	177
448	Integrating complex event processing and machine learning: An intelligent architecture for detecting IoT security attacks. Expert Systems With Applications, 2020, 149, 113251.	7.6	70
449	Error-Tolerant Computation for Voting Classifiers With Multiple Classes. IEEE Transactions on Vehicular Technology, 2020, 69, 13718-13727.	6.3	7
450	Semi-Supervised Domain-Adversarial Training for Intrusion Detection against False Data Injection in the Smart Grid. , 2020, , .		9
451	CVNNs-IDS: Complex-Valued Neural Network Based In-Vehicle Intrusion Detection System. Communications in Computer and Information Science, 2020, , 263-277.	0.5	2
452	A Lightweight Intelligent Authentication Approach for Intrusion Detection. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
453	Experimental Review of Neural-Based Approaches for Network Intrusion Management. IEEE Transactions on Network and Service Management, 2020, 17, 2480-2495.	4.9	49
454	Machine Learning Threatens 5G Security. IEEE Access, 2020, 8, 190822-190842.	4.2	37
455	Supervised Machine Learning Based Network Intrusion Detection System for Internet of Things. , 2020, , .		13
456	Multi-Attack Detection using Forensics and Neural Network based Prevention for Secure MANETs. , 2020, , .		3
457	MalFinder: An Ensemble Learning-based Framework For Malicious Traffic Detection. , 2020, , .		12
458	Network Attack Surface Simplification for Red and Blue Teams. , 2020, , .		5
459	Hawkware: Network Intrusion Detection based on Behavior Analysis with ANNs on an IoT Device. , 2020, , .		6
460	Machine learning in cybersecurity: a comprehensive survey. Journal of Defense Modeling and Simulation, 2022, 19, 57-106.	1.7	55
461	Research on pre-competition emotion recognition of student athletes based on improved machine learning. Journal of Intelligent and Fuzzy Systems, 2020, 39, 5687-5698.	1.4	3
462	ZeroWall: Detecting Zero-Day Web Attacks through Encoder-Decoder Recurrent Neural Networks. , 2020, , .		35
463	An Improved Intrusion Detection System Based on KNN Hyperparameter Tuning and Cross-Validation. Arabian Journal for Science and Engineering, 2020, 45, 10859-10873.	3.0	36
464	TON_IoT Telemetry Dataset: A New Generation Dataset of IoT and IIoT for Data-Driven Intrusion Detection Systems. IEEE Access, 2020, 8, 165130-165150.	4.2	260
465	Survey of Network Intrusion Detection Methods From the Perspective of the Knowledge Discovery in Databases Process. IEEE Transactions on Network and Service Management, 2020, 17, 2451-2479.	4.9	46
466	A Novel Wireless Network Intrusion Detection Method Based on Adaptive Synthetic Sampling and an Improved Convolutional Neural Network. IEEE Access, 2020, 8, 195741-195751.	4.2	38
467	Machine Learning Meets Communication Networks: Current Trends and Future Challenges. IEEE Access, 2020, 8, 223418-223460.	4.2	58
468	Prototype Cross Platform Oriented on Cybersecurity, Virtual Connectivity, Big Data and Artificial Intelligence Control. IEEE Access, 2020, 8, 197939-197954.	4.2	8
469	A Survey on Machine Learning Techniques for Cyber Security in the Last Decade. IEEE Access, 2020, 8, 222310-222354.	4.2	187
470	Threat-Event Detection for Distributed Networks Based on Spatiotemporal Markov Random Field. IEEE Transactions on Dependable and Secure Computing, 2022, 19, 1735-1752.	5.4	1

#	ARTICLE	IF	CITATIONS
471	Adaptive Anomaly Detection Framework Model Objects in Cyberspace. Applied Bionics and Biomechanics, 2020, 2020, 1-14.	1.1	28
472	A Literature Review of Data Mining Techniques for Enhancing Digital Customer Engagement. International Journal of Enterprise Information Systems, 2020, 16, 80-100.	1.0	7
473	Time-Aware Learning Framework for Over-The-Top Consumer Classification Based on Machine- and Deep-Learning Capabilities. Applied Sciences (Switzerland), 2020, 10, 8476.	2.5	6
474	A Hybrid Intrusion Detection Model Combining SAE with Kernel Approximation in Internet of Things. Sensors, 2020, 20, 5710.	3.8	6
475	Application of MapReduce parallel association mining on IDS in cloud computing environment. Journal of Intelligent and Fuzzy Systems, 2020, 39, 1915-1923.	1.4	2
476	A Comparative Analysis of Machine Learning Techniques for Cyberbullying Detection on Twitter. Future Internet, 2020, 12, 187.	3.8	84
477	A Survey of Machine and Deep Learning Methods for Internet of Things (IoT) Security. IEEE Communications Surveys and Tutorials, 2020, 22, 1646-1685.	39.4	576
478	A Machine learning based intrusion detection approach for industrial networks. , 2020, , .		7
479	A Survey on Botnet Detection Techniques. , 2020, , .		16
480	Lightweight privacy-Preserving data classification. Computers and Security, 2020, 97, 101835.	6.0	9
481	TIDCS: A Dynamic Intrusion Detection and Classification System Based Feature Selection. IEEE Access, 2020, 8, 95864-95877.	4.2	50
482	A Methodology for Resilient Control and Monitoring in Smart Grids. , 2020, , .		1
483	Managing Information System Security Under Continuous and Abrupt Deterioration. Production and Operations Management, 2020, 29, 1894-1917.	3.8	10
484	A new perspective towards the development of robust data-driven intrusion detection for industrial control systems. Nuclear Engineering and Technology, 2020, 52, 2687-2698.	2.3	32
485	Data Processing and Model Selection for Machine Learning-based Network Intrusion Detection. , 2020, , .		14
486	HSTF-Model: An HTTP-based Trojan detection model via the Hierarchical Spatio-temporal Features of Traffics. Computers and Security, 2020, 96, 101923.	6.0	17
487	Network intrusion detection based on deep learning model optimized with rule-based hybrid feature selection. Information Security Journal, 2020, 29, 267-283.	1.9	41
488	A Hybrid Nested Genetic-Fuzzy Algorithm Framework for Intrusion Detection and Attacks. IEEE Access, 2020, 8, 98218-98233.	4.2	18

#	ARTICLE	IF	CITATIONS
489	AppCon: Mitigating Evasion Attacks to ML Cyber Detectors. Symmetry, 2020, 12, 653.	2.2	12
490	IntruDTree: A Machine Learning Based Cyber Security Intrusion Detection Model. Symmetry, 2020, 12, 754.	2.2	149
491	Insider Threat Detection Using Supervised Machine Learning Algorithms on an Extremely Imbalanced Dataset. International Journal of Cyber Warfare and Terrorism, 2020, 10, 1-26.	0.5	18
492	A Lightweight Intrusion Detection System using Benford's Law and Network Flow Size Difference. , 2020, , .		2
493	A comparative evaluation of unsupervised deep architectures for intrusion detection in sequential data streams. Expert Systems With Applications, 2020, 159, 113577.	7.6	11
494	Considering the human operator cognitive process for the interpretation of diagnostic outcomes related to component failures and cyber security attacks. Reliability Engineering and System Safety, 2020, 202, 107007.	8.9	11
495	Distance-based classifier on the Quantum Inspire. Digitale Welt, 2020, 4, 85-91.	0.3	7
496	A Taxonomy of DDoS Attack Mitigation Approaches Featured by SDN Technologies in IoT Scenarios. Sensors, 2020, 20, 3078.	3.8	54
497	A statistical pattern based feature extraction method on system call traces for anomaly detection. Information and Software Technology, 2020, 126, 106348.	4.4	16
498	Research on machine learning method and its application technology in intrusion information security detection. Journal of Intelligent and Fuzzy Systems, 2020, 38, 1549-1558.	1.4	2
499	Inter-dataset generalization strength of supervised machine learning methods for intrusion detection. Journal of Information Security and Applications, 2020, 54, 102564.	2.5	35
500	A Comprehensive Survey on Various Machine Learning Methods used for Intrusion Detection System. , 2020, , .		13
501	A New Proposal on the Advanced Persistent Threat: A Survey. Applied Sciences (Switzerland), 2020, 10, 3874.	2.5	39
502	Hardening Random Forest Cyber Detectors Against Adversarial Attacks. IEEE Transactions on Emerging Topics in Computational Intelligence, 2020, 4, 427-439.	4.9	31
503	A Taxonomy of Network Threats and the Effect of Current Datasets on Intrusion Detection Systems. IEEE Access, 2020, 8, 104650-104675.	4.2	107
504	Intrusion Detection System for Healthcare Systems Using Medical and Network Data: A Comparison Study. IEEE Access, 2020, 8, 106576-106584.	4.2	97
505	Abnormal Behavioral Pattern Detection in Closed-Loop Robotic Systems for Zero-Day Deceptive Threats. , 2020, , .		3
506	Intrusion Detection in IoT Networks Using Deep Learning Algorithm. Information (Switzerland), 2020, 11, 279.	2.9	90

#	ARTICLE	IF	CITATIONS
507	Performance Comparison and Current Challenges of Using Machine Learning Techniques in Cybersecurity. <i>Energies</i> , 2020, 13, 2509.	3.1	137
508	Systems Science of Secure and Resilient Cyberphysical Systems. <i>Computer</i> , 2020, 53, 57-61.	1.1	2
509	A Machine Learning Approach for Traffic Flow Provisioning in Software Defined Networks. , 2020, , .		15
510	Learning URL Embedding for Malicious Website Detection. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 6673-6681.	11.3	60
511	Employing a Machine Learning Approach to Detect Combined Internet of Things Attacks against Two Objective Functions Using a Novel Dataset. <i>Security and Communication Networks</i> , 2020, 2020, 1-17.	1.5	28
512	Towards Near-Real-Time Intrusion Detection for IoT Devices using Supervised Learning and Apache Spark. <i>Electronics (Switzerland)</i> , 2020, 9, 444.	3.1	44
513	A Study of Ensemble Methods for Cyber Security. , 2020, , .		9
514	Key technologies of cloud computing-based IoT data mining. <i>International Journal of Computers and Applications</i> , 2020, , 1-8.	1.3	0
515	Improving Maliciousness Estimation of Indicator of Compromise Using Graph Convolutional Networks. , 2020, , .		7
516	Detecting Behavioral Change of IoT Devices Using Clustering-Based Network Traffic Modeling. <i>IEEE Internet of Things Journal</i> , 2020, 7, 7295-7309.	8.7	35
517	Artificial Intelligence in the Cyber Domain: Offense and Defense. <i>Symmetry</i> , 2020, 12, 410.	2.2	61
518	A Novel Intrusion Detection Model Using a Fusion of Network and Device States for Communication-Based Train Control Systems. <i>Electronics (Switzerland)</i> , 2020, 9, 181.	3.1	9
519	Predictions of Network Attacks in Collaborative Environment. , 2020, , .		2
520	Deep Learning-Based Network Security Data Sampling and Anomaly Prediction in Future Network. <i>Discrete Dynamics in Nature and Society</i> , 2020, 2020, 1-9.	0.9	5
521	Securing Additive Manufacturing with Blockchains and Distributed Physically Unclonable Functions. <i>Cryptography</i> , 2020, 4, 17.	2.3	10
522	Computational Intelligence Enabled Cybersecurity for the Internet of Things. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2020, 4, 666-674.	4.9	34
523	Boosting algorithms for network intrusion detection: A comparative evaluation of Real AdaBoost, Gentle AdaBoost and Modest AdaBoost. <i>Engineering Applications of Artificial Intelligence</i> , 2020, 94, 103770.	8.1	87
524	Deep Transfer Learning for IoT Attack Detection. <i>IEEE Access</i> , 2020, 8, 107335-107344.	4.2	71

#	ARTICLE	IF	CITATIONS
525	Large-Scale and Robust Intrusion Detection Model Combining Improved Deep Belief Network With Feature-Weighted SVM. IEEE Access, 2020, 8, 98600-98611.	4.2	25
526	A Class-Specific Intrusion Detection Model: Hierarchical Multi-class IDS Model. SN Computer Science, 2020, 1, 1.	3.6	3
527	An Efficient Traffic Classification Scheme Using Embedded Feature Selection and LightGBM. , 2020, , .		31
528	Towards a Secure Internet of Things: A Comprehensive Study of Second Line Defense Mechanisms. IEEE Access, 2020, 8, 127272-127312.	4.2	16
529	SS7 Vulnerabilitiesâ€”A Survey and Implementation of Machine Learning vs Rule Based Filtering for Detection of SS7 Network Attacks. IEEE Communications Surveys and Tutorials, 2020, 22, 1337-1371.	39.4	160
530	A Service Architecture Using Machine Learning to Contextualize Anomaly Detection. Journal of Database Management, 2020, 31, 64-84.	1.5	10
531	Blockchain and Machine Learning for Communications and Networking Systems. IEEE Communications Surveys and Tutorials, 2020, 22, 1392-1431.	39.4	167
532	Improving threat detection in networks using deep learning. Annales Des Telecommunications/Annals of Telecommunications, 2020, 75, 133-142.	2.5	4
533	A Standardized ICS Network Data Processing Flow With Generative Model in Anomaly Detection. IEEE Access, 2020, 8, 4255-4264.	4.2	3
534	Machine learning algorithms for improving security on touch screen devices: a survey, challenges and new perspectives. Neural Computing and Applications, 2020, 32, 13651-13678.	5.6	12
535	A novel intrusion detection system based on an optimal hybrid kernel extreme learning machine. Knowledge-Based Systems, 2020, 195, 105648.	7.1	84
536	Lucid: A Practical, Lightweight Deep Learning Solution for DDoS Attack Detection. IEEE Transactions on Network and Service Management, 2020, 17, 876-889.	4.9	170
537	Trustworthy Network Anomaly Detection Based on an Adaptive Learning Rate and Momentum in IIoT. IEEE Transactions on Industrial Informatics, 2020, 16, 6182-6192.	11.3	80
538	A Survey of Online Data-Driven Proactive 5G Network Optimisation Using Machine Learning. IEEE Access, 2020, 8, 35606-35637.	4.2	61
539	An Unsupervised Deep Learning Model for Early Network Traffic Anomaly Detection. IEEE Access, 2020, 8, 30387-30399.	4.2	117
540	Thirty Years of Machine Learning: The Road to Pareto-Optimal Wireless Networks. IEEE Communications Surveys and Tutorials, 2020, 22, 1472-1514.	39.4	361
541	The rise of traffic classification in IoT networks: A survey. Journal of Network and Computer Applications, 2020, 154, 102538.	9.1	139
542	Harnessing Artificial Intelligence Capabilities to Improve Cybersecurity. IEEE Access, 2020, 8, 23817-23837.	4.2	108

#	ARTICLE	IF	CITATIONS
543	Categorization of self care problem for children with disabilities using partial swarm optimization approach. International Journal of Information Technology (Singapore), 2022, 14, 1835-1843.	2.7	3
544	Fuzzy sets for data mining and recommendation algorithms. Journal of Intelligent and Fuzzy Systems, 2020, 38, 3737-3745.	1.4	1
545	Analyzing Data Granularity Levels for Insider Threat Detection Using Machine Learning. IEEE Transactions on Network and Service Management, 2020, 17, 30-44.	4.9	75
546	Hybrid Intrusion Detection System Based on the Stacking Ensemble of C5 Decision Tree Classifier and One Class Support Vector Machine. Electronics (Switzerland), 2020, 9, 173.	3.1	111
547	Latency-Optimal Network Intelligence Services in SDN/NFV-Based Energy Internet Cyberinfrastructure. IEEE Access, 2020, 8, 4485-4499.	4.2	4
548	Applications in Security and Evasions in Machine Learning: A Survey. Electronics (Switzerland), 2020, 9, 97.	3.1	45
549	A cyber-secure control detector architecture for nonlinear processes. AIChE Journal, 2020, 66, e16907.	3.6	29
550	Measuring the accuracy of software vulnerability assessments: experiments with students and professionals. Empirical Software Engineering, 2020, 25, 1063-1094.	3.9	8
551	Learning paradigms for communication and computing technologies in IoT systems. Computer Communications, 2020, 153, 11-25.	5.1	17
552	Thoughts on Data Science in business and industry. Applied Stochastic Models in Business and Industry, 2020, 36, 36-40.	1.5	1
553	A Review of Deep Learning Security and Privacy Defensive Techniques. Mobile Information Systems, 2020, 2020, 1-18.	0.6	24
554	SMO-DNN: Spider Monkey Optimization and Deep Neural Network Hybrid Classifier Model for Intrusion Detection. Electronics (Switzerland), 2020, 9, 692.	3.1	80
555	Building Auto-Encoder Intrusion Detection System based on random forest feature selection. Computers and Security, 2020, 95, 101851.	6.0	184
556	Obfuscation of Malicious Behaviors for Thwarting Masquerade Detection Systems Based on Locality Features. Sensors, 2020, 20, 2084.	3.8	10
557	Hybridizing genetic algorithm and grey wolf optimizer to advance an intelligent and lightweight intrusion detection system for IoT wireless networks. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 5581-5609.	4.9	54
558	Machine learning based solutions for security of Internet of Things (IoT): A survey. Journal of Network and Computer Applications, 2020, 161, 102630.	9.1	266
559	Machine Learning in IoT Security: Current Solutions and Future Challenges. IEEE Communications Surveys and Tutorials, 2020, 22, 1686-1721.	39.4	409
560	CyVi: Visualization of Cyber-Attack and Defense Effects in Geographically Referenced Networks. , 2020, , .		6

#	ARTICLE	IF	CITATIONS
561	Exploring anomalous behaviour detection and classification for insider threat identification. International Journal of Network Management, 2021, 31, e2109.	2.2	18
562	Detection of Bots in Social Media: A Systematic Review. Information Processing and Management, 2020, 57, 102250.	8.6	106
563	Machine Learning for Traffic Analysis: A Review. Procedia Computer Science, 2020, 170, 911-916.	2.0	21
564	A Review of the Advancement in Intrusion Detection Datasets. Procedia Computer Science, 2020, 167, 636-645.	2.0	125
565	Core-level cybersecurity assurance using cloud-based adaptive machine learning techniques for manufacturing industry. Transactions on Emerging Telecommunications Technologies, 2022, 33, e3947.	3.9	10
566	An Explainable Machine Learning Framework for Intrusion Detection Systems. IEEE Access, 2020, 8, 73127-73141.	4.2	149
567	A literature review of the current applications of machine learning and their practical implications. Web Intelligence, 2020, 18, 69-83.	0.2	9
568	Generalized Outlier Gaussian Mixture Technique Based on Automated Association Features for Simulating and Detecting Web Application Attacks. IEEE Transactions on Sustainable Computing, 2021, 6, 245-256.	3.1	27
569	Evaluation of feature learning for anomaly detection in network traffic. Evolving Systems, 2021, 12, 79-90.	3.9	4
571	A statistical class center based triangle area vector method for detection of denial of service attacks. Cluster Computing, 2021, 24, 393-415.	5.0	13
572	A survey of neural networks usage for intrusion detection systems. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 497-514.	4.9	73
573	A Comprehensive Survey of Databases and Deep Learning Methods for Cybersecurity and Intrusion Detection Systems. IEEE Systems Journal, 2021, 15, 1717-1731.	4.6	64
574	Computational method to prove efficacy of datasets. Journal of Information and Optimization Sciences, 2021, 42, 211-233.	0.3	9
575	An Efficient Spam Detection Technique for IoT Devices Using Machine Learning. IEEE Transactions on Industrial Informatics, 2021, 17, 903-912.	11.3	69
576	Swarm intelligence in anomaly detection systems: an overview. International Journal of Computers and Applications, 2021, 43, 109-118.	1.3	26
577	Transfer learning based intrusion detection scheme for Internet of vehicles. Information Sciences, 2021, 547, 119-135.	6.9	50
578	A hybrid unsupervised clustering-based anomaly detection method. Tsinghua Science and Technology, 2021, 26, 146-153.	6.1	95
579	WisdomNet: trustable machine learning toward error-free classification. Neural Computing and Applications, 2021, 33, 2719-2734.	5.6	7

#	ARTICLE	IF	CITATIONS
580	Identification of Network Application Behaviors Hiding in HTTP Tunnels. IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), 2021, 38, 112-129.	3.2	0
581	Badminton match outcome prediction model using Naïve Bayes and Feature Weighting technique. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 8441-8455.	4.9	15
582	Industry 4.0 Implementation Challenges and Opportunities: A Managerial Perspective. IEEE Systems Journal, 2021, 15, 546-559.	4.6	96
583	Network intrusion detection system: A systematic study of machine learning and deep learning approaches. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4150.	3.9	379
584	A Review on Machine Learning and Deep Learning Perspectives of IDS for IoT: Recent Updates, Security Issues, and Challenges. Archives of Computational Methods in Engineering, 2021, 28, 3211-3243.	10.2	130
585	Detection of anomaly intrusion utilizing self-adaptive grasshopper optimization algorithm. Neural Computing and Applications, 2021, 33, 7541-7561.	5.6	21
586	Trust-Based Authentication for Smart Home Systems. Wireless Personal Communications, 2021, 117, 2157-2172.	2.7	14
587	Cyber intrusion detection through association rule mining on multi-source logs. Applied Intelligence, 2021, 51, 4043-4057.	5.3	14
588	Blockchain Security: A Survey of Techniques and Research Directions. IEEE Transactions on Services Computing, 2022, 15, 2490-2510.	4.6	73
589	Reinforcement Learning for IoT Security: A Comprehensive Survey. IEEE Internet of Things Journal, 2021, 8, 8693-8706.	8.7	76
590	RNNIDS: Enhancing network intrusion detection systems through deep learning. Computers and Security, 2021, 102, 102151.	6.0	40
591	A precise and stable machine learning algorithm: eigenvalue classification (EigenClass). Neural Computing and Applications, 2021, 33, 5381-5392.	5.6	37
592	Variational LSTM Enhanced Anomaly Detection for Industrial Big Data. IEEE Transactions on Industrial Informatics, 2021, 17, 3469-3477.	11.3	215
593	A Survey on the Development of Self-Organizing Maps for Unsupervised Intrusion Detection. Mobile Networks and Applications, 2021, 26, 808-829.	3.3	49
594	Trust-Based Detection Strategy Against Replication Attacks in IoT. Lecture Notes in Networks and Systems, 2021, , 646-656.	0.7	1
595	Collaborative Intrusion Detection Schemes in Fog-to-Things Computing. Advances in Information Security, 2021, , 93-119.	1.2	5
596	Design Challenges and Assessment of Modern Web Applications Intrusion Detection and Prevention Systems (IDPS). Lecture Notes in Networks and Systems, 2021, , 1087-1104.	0.7	2
597	A Novel Framework Design of Network Intrusion Detection Based on Machine Learning Techniques. Security and Communication Networks, 2021, 2021, 1-15.	1.5	17

#	ARTICLE	IF	CITATIONS
598	Machine Learning Intrusion Detection in Big Data Era: A Multi-Objective Approach for Longer Model Lifespans. IEEE Transactions on Network Science and Engineering, 2021, 8, 366-376.	6.4	24
599	Cyber-Physical Coordinated Risk Mitigation in Smart Grids Based on Attack-Defense Game. IEEE Transactions on Power Systems, 2022, 37, 530-542.	6.5	17
600	Detecting COVID-19 Utilizing Probabilistic Graphical Models. International Journal of Advanced Computer Science and Applications, 2021, 12, .	0.7	1
601	Boosting-Based DDoS Detection in Internet of Things Systems. IEEE Internet of Things Journal, 2022, 9, 2109-2123.	8.7	75
602	A Hybrid Deep Learning Ensemble for Cyber Intrusion Detection. Proceedings of the International Neural Networks Society, 2021, , 27-41.	0.6	8
603	Empirical Evaluation of Noise Influence on Supervised Machine Learning Algorithms Using Intrusion Detection Datasets. Security and Communication Networks, 2021, 2021, 1-28.	1.5	10
604	Change Point Models for Real-Time Cyber Attack Detection in Connected Vehicle Environment. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 12328-12342.	8.0	7
605	A Survey of Deep Learning Techniques for Cybersecurity in Mobile Networks. IEEE Communications Surveys and Tutorials, 2021, 23, 1920-1955.	39.4	22
606	Applying Negative Association Rule Utilizing Unsupervised Machine Learning Models. Advances in Intelligent Systems and Computing, 2021, , 73-81.	0.6	0
607	Application Behavior Identification in DNS Tunnels Based on Spatial-Temporal Information. IEEE Access, 2021, 9, 80639-80653.	4.2	3
608	Black Hole and Sink Hole Attack Detection in Wireless Body Area Networks. Computers, Materials and Continua, 2021, 68, 1949-1965.	1.9	43
609	Malicious Behavior Catcher: An Intrusion Detection System Based on VAE. Lecture Notes in Electrical Engineering, 2021, , 944-953.	0.4	1
610	An Analysis of IoT Cyber Security Driven by Machine Learning. Algorithms for Intelligent Systems, 2021, , 725-753.	0.6	14
611	Developing Customized and Secure Blockchains with Deep Federation Learning to Prevent Successive Attacks. Lecture Notes in Computer Science, 2021, , 31-43.	1.3	0
612	Spiking Neural Networks with Single-Spike Temporal-Coded Neurons for Network Intrusion Detection. , 2021, , .		5
613	INTELLIGENT TECHNIQUES FOR ANOMALY DETECTION IN NUCLEAR REACTORS. EPJ Web of Conferences, 2021, 247, 21011.	0.3	6
614	Overview of Network Security Situation Awareness Based on Big Data. Advances in Intelligent Systems and Computing, 2021, , 875-883.	0.6	3
615	Nuclear power plant cybersecurity. , 2021, , 495-513.		3

#	ARTICLE	IF	CITATIONS
616	A Deep Learning Model for Information Loss Prevention From Multi-Page Digital Documents. IEEE Access, 2021, 9, 80451-80465.	4.2	28
617	Deep Learning-Based Hybrid Intelligent Intrusion Detection System. Computers, Materials and Continua, 2021, 68, 671-687.	1.9	20
618	Cyber Threat Predictive Analytics for Improving Cyber Supply Chain Security. IEEE Access, 2021, 9, 94318-94337.	4.2	31
619	Towards Open World Traffic Classification. Lecture Notes in Computer Science, 2021, , 331-347.	1.3	3
620	A Real-Time Sequential Deep Extreme Learning Machine Cybersecurity Intrusion Detection System. Computers, Materials and Continua, 2021, 66, 1785-1798.	1.9	23
621	A Survey on Intelligence Tools for Data Analytics. Advances in Data Mining and Database Management Book Series, 2021, , 73-95.	0.5	0
623	Using Self-Organizing Maps for the Behavioral Analysis of Virtualized Network Functions. Communications in Computer and Information Science, 2021, , 153-177.	0.5	1
624	Anomaly-Based Intrusion Detection by Machine Learning: A Case Study on Probing Attacks to an Institutional Network. IEEE Access, 2021, 9, 50078-50092.	4.2	25
625	Syrius: Synthesis of Rules for Intrusion Detectors. IEEE Transactions on Reliability, 2022, 71, 370-381.	4.6	5
626	An Isolation Forest Learning Based Outlier Detection Approach for Effectively Classifying Cyber Anomalies. Advances in Intelligent Systems and Computing, 2021, , 270-279.	0.6	4
627	Machine Learning, Data Mining, and Big Data Analytics for 5G-Enabled IoT. , 2021, , 351-375.		18
628	Role of Machine Learning and Deep Learning Approaches in Designing Network Intrusion Detection System. Algorithms for Intelligent Systems, 2021, , 383-389.	0.6	0
629	Data Security and Privacy in Industrial IoT. , 2021, , 21-39.		1
630	ML-Based DDoS Detection and Identification Using Native Cloud Telemetry Macroscopic Monitoring. Journal of Network and Systems Management, 2021, 29, 1.	4.9	5
631	SmartHealth: IoT-Enabled Context-Aware 5G Ambient Cloud Platform. Studies in Computational Intelligence, 2021, , 43-67.	0.9	5
632	Application of Big Data Analysis in the Physical Fitness Monitoring of Chinese Students. , 2021, , .		0
633	Unsupervised Outlier Detection via Transformation Invariant Autoencoder. IEEE Access, 2021, 9, 43991-44002.	4.2	10
634	Leveraging Deep Reinforcement Learning for Traffic Engineering: A Survey. IEEE Communications Surveys and Tutorials, 2021, 23, 2064-2097.	39.4	36

#	ARTICLE	IF	CITATIONS
635	Anomaly Detection Systems Using IP Flows: A Review. Springer Proceedings in Energy, 2021, , 1035-1049.	0.3	0
636	DAD: Domain Adversarial Defense System Against DDoS Attacks in Cloud. IEEE Transactions on Network and Service Management, 2022, 19, 554-568.	4.9	2
637	An Ensemble Intrusion Detection Method for Train Ethernet Consist Network Based on CNN and RNN. IEEE Access, 2021, 9, 59527-59539.	4.2	20
638	Experimental Comparison of ML/DL Approaches for Cyberattacks Diagnostics. Advances in Intelligent Systems and Computing, 2021, , 213-223.	0.6	2
639	Data Classification Model for Fog-Enabled Mobile IoT Systems. Advances in Intelligent Systems and Computing, 2021, , 125-138.	0.6	1
640	Cutting Edge Trends in Deception Based Intrusion Detection Systems—A Survey. Journal of Information Security, 2021, 12, 250-269.	0.8	4
641	Reconstructing Classification to Enhance Machine-Learning Based Network Intrusion Detection by Embracing Ambiguity. Communications in Computer and Information Science, 2021, , 169-187.	0.5	1
643	A scalable network intrusion detection system towards detecting, discovering, and learning unknown attacks. International Journal of Machine Learning and Cybernetics, 2021, 12, 1649-1665.	3.6	9
644	A Hybrid Intrusion Detection System Based on Scalable K-Means+ Random Forest and Deep Learning. IEEE Access, 2021, 9, 75729-75740.	4.2	62
645	Application of Machine Learning for Ransomware Detection in IoT Devices. Studies in Computational Intelligence, 2021, , 393-420.	0.9	12
646	A Partial Approach to Intrusion Detection. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 78-97.	0.3	0
647	A Systematic Approach to Building Autoencoders for Intrusion Detection. Communications in Computer and Information Science, 2021, , 188-204.	0.5	1
648	A Review of Rule Learning-Based Intrusion Detection Systems and Their Prospects in Smart Grids. IEEE Access, 2021, 9, 57542-57564.	4.2	29
649	A Review of Computer Vision Methods in Network Security. IEEE Communications Surveys and Tutorials, 2021, 23, 1838-1878.	39.4	26
650	Security and Privacy in 5G Applications: Challenges and Solutions. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 22-40.	0.3	1
651	Analysis of Accuracy of Supervised Machine Learning Algorithms in Detecting Denial of Service Attacks. Lecture Notes in Electrical Engineering, 2021, , 519-529.	0.4	1
652	Classification of Abnormal Traces in a Collaborative Fog Computing Architecture. Lecture Notes in Computer Science, 2021, , 420-429.	1.3	1
653	Machine Learning in Spark for Attack Traffic Classification in IoT Devices Using Protocol Usage Statistics. Algorithms for Intelligent Systems, 2021, , 1-11.	0.6	0

#	ARTICLE	IF	CITATIONS
654	Models for Forming Knowledge Databases for Decision Support Systems for Recognizing Cyberattacks. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 463-475.	0.6	3
655	An End-to-End Framework for Machine Learning-Based Network Intrusion Detection System. <i>IEEE Access</i> , 2021, 9, 106790-106805.	4.2	42
656	Study of Multi-Class Classification Algorithmsâ€™ Performance on Highly Imbalanced Network Intrusion Datasets. <i>Informatica</i> , 2021, , 441-475.	2.7	10
657	Attacks and Anomaly Detection in IoT Network Using Machine Learning. <i>Communications in Computer and Information Science</i> , 2021, , 465-472.	0.5	2
658	Adaptive Intrusion Detection in the Networking of Large-Scale LANs With Segmented Federated Learning. <i>IEEE Open Journal of the Communications Society</i> , 2021, 2, 102-112.	6.9	24
659	An N-gram Based Deep Learning Method for Network Traffic Classification. <i>Lecture Notes in Computer Science</i> , 2021, , 289-304.	1.3	0
661	Intelligent Software-Defined Network for Cognitive Routing Optimization using Deep Extreme Learning Machine Approach. <i>Computers, Materials and Continua</i> , 2021, 67, 1269-1285.	1.9	20
662	SVM-Based Traffic Data Classification for Secured IoT-Based Road Signaling System. , 2020, , 1003-1030.		3
663	Data Fusion Approach for Collaborative Anomaly Intrusion Detection in Blockchain-Based Systems. <i>IEEE Internet of Things Journal</i> , 2022, 9, 14741-14751.	8.7	90
664	Intrusion Detection Using a New Hybrid Feature Selection Model. <i>Intelligent Automation and Soft Computing</i> , 2021, 29, 65-80.	2.1	9
665	Theoretical Aspects of a Priori On-Line Assessment of Data Predictability in Applied Tasks. <i>Lecture Notes in Computer Science</i> , 2021, , 187-195.	1.3	1
666	WiP: Distributed Intrusion Detection System for TCP/IP-Based Connections in Industrial Environments Using Self-organizing Maps. <i>Lecture Notes in Computer Science</i> , 2021, , 231-251.	1.3	1
667	Data-Driven Decision Support for Optimizing Cyber Forensic Investigations. <i>IEEE Transactions on Information Forensics and Security</i> , 2021, 16, 2397-2412.	6.9	26
668	Comprehensive Survey on Machine Learning in Vehicular Network: Technology, Applications and Challenges. <i>IEEE Communications Surveys and Tutorials</i> , 2021, 23, 2027-2057.	39.4	92
669	M-IDM: A Multi-Classification Based Intrusion Detection Model in Healthcare IoT. <i>Computers, Materials and Continua</i> , 2021, 67, 1537-1553.	1.9	13
670	Application of Computer Technology in Optimal Design of Overall Structure of Special Machinery. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-9.	1.1	5
671	A survey of intrusion detection from the perspective of intrusion datasets and machine learning techniques. <i>International Journal of Computers and Applications</i> , 2022, 44, 659-669.	1.3	26
672	An Intelligent Tree-Based Intrusion Detection Model for Cyber Security. <i>Journal of Network and Systems Management</i> , 2021, 29, 1.	4.9	44

#	ARTICLE	IF	CITATIONS
673	Sharing Machine Learning Models as Indicators of Compromise for Cyber Threat Intelligence. Journal of Cybersecurity and Privacy, 2021, 1, 140-163.	3.9	30
674	Artificial intelligence, cyber-threats and Industry 4.0: challenges and opportunities. Artificial Intelligence Review, 2021, 54, 3849-3886.	15.7	91
675	Mixture ratio modeling of dynamic systems. International Journal of Adaptive Control and Signal Processing, 2021, 35, 660-675.	4.1	0
676	An intrusion detection system using optimized deep neural network architecture. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4221.	3.9	28
677	Development Trend of Computer Network Security Technology Based on the Big Data Era. Journal of Physics: Conference Series, 2021, 1744, 042223.	0.4	1
678	Risk Data Analysis of Cross Border E-commerce Transactions Based on Data Mining. Journal of Physics: Conference Series, 2021, 1744, 032014.	0.4	5
679	Machine learning based strategies for secure cloud. Materials Today: Proceedings, 2021, , .	1.8	0
680	Detection of intruder using the improved dragonfly optimization algorithm. IOP Conference Series: Materials Science and Engineering, 2021, 1074, 012011.	0.6	5
681	Statistical Modeling and Simulation of Online Shopping Customer Loyalty Based on Machine Learning and Big Data Analysis. Security and Communication Networks, 2021, 2021, 1-12.	1.5	5
682	The Challenges of Machine Learning and Their Economic Implications. Entropy, 2021, 23, 275.	2.2	7
683	<sc>Mobile-aided</sc> screening system for proliferative diabetic retinopathy. International Journal of Imaging Systems and Technology, 2021, 31, 1638-1654.	4.1	12
684	Data Mining System and Construction Analysis of Skilled Talents based on Big Data. Journal of Physics: Conference Series, 2021, 1744, 032021.	0.4	2
685	Deep Learning-Based Anomaly Detection in LAN from Raw Network Traffic Measurement. , 2021, , .		4
686	Development of the cybersecurity scale (CS-S): Evidence of validity and reliability. Information Development, 2022, 38, 218-226.	2.3	18
688	T&SNERF: A novel high accuracy machine learning approach for Intrusion Detection Systems. IET Information Security, 2021, 15, 178-190.	1.7	15
689	MLIDS: A Machine Learning Approach for Intrusion Detection for Real Time Network Dataset. , 2021, , .		18
690	Preventing crimes against public health with artificial intelligence and machine learning capabilities. Socio-Economic Planning Sciences, 2021, , 101043.	5.0	11
691	Diabetes Risk Data Mining Method Based on Electronic Medical Record Analysis. Journal of Healthcare Engineering, 2021, 2021, 1-11.	1.9	15

#	ARTICLE	IF	CITATIONS
692	Classification and Clustering Based Ensemble Techniques for Intrusion Detection Systems: A Survey. Journal of Physics: Conference Series, 2021, 1818, 012106.	0.4	6
693	Deep learning based cyber bullying early detection using distributed denial of service flow. Multimedia Systems, 2022, 28, 1905-1924.	4.7	5
694	A critical review of intrusion detection systems in the internet of things: techniques, deployment strategy, validation strategy, attacks, public datasets and challenges. Cybersecurity, 2021, 4, .	4.7	153
695	A Survey : Data Mining and Machine Learning Methods for Cyber Security. International Journal of Scientific Research in Computer Science Engineering and Information Technology, 2021, , 24-34.	0.3	1
696	Advanced hybrid secure multipath optimized routing in Internet of Things (IoT)-based WSN. International Journal of Communication Systems, 2021, 34, e4782.	2.5	2
697	A survey on analysis and detection of Android ransomware. Concurrency Computation Practice and Experience, 2021, 33, e6272.	2.2	21
698	Use of Security Logs for Data Leak Detection: A Systematic Literature Review. Security and Communication Networks, 2021, 2021, 1-29.	1.5	5
699	Review on Image Classification Techniques in Machine Learning for Satellite Imagery. , 2021, , .		1
700	Cybersecurity challenges in energy sector (virtual power plants) - can edge computing principles be applied to enhance security?. Energy Informatics, 2021, 4, 5.	2.3	6
701	Evaluation of Machine Learning Algorithms Used on Attacks Detection in Industrial Control Systems. Journal of the Institution of Engineers (India): Series B, 2021, 102, 605-616.	1.9	15
702	A Machine-Learning-Based Data-Centric Misbehavior Detection Model for Internet of Vehicles. IEEE Internet of Things Journal, 2021, 8, 4991-4999.	8.7	78
703	Anomaly-based intrusion detection systems: The requirements, methods, measurements, and datasets. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4240.	3.9	23
704	DS-kNN. International Journal of Information Security and Privacy, 2021, 15, 131-144.	0.8	3
705	Intrusion Measurement and Detection in LAN Using Protocol-Wise Associative Memory. , 2021, , .		0
706	Spectrum of Advancements and Developments in Multidisciplinary Domains for Generative Adversarial Networks (GANs). Archives of Computational Methods in Engineering, 2021, 28, 4503-4521.	10.2	8
707	Grey Wolf Optimization Parameter Control for Feature Selection in Anomaly Detection. International Journal of Intelligent Engineering and Systems, 2021, 14, 474-483.	0.6	11
708	Artificial intelligence and blockchain: A review. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4268.	3.9	34
709	Environmental variables responsible for Zebu cattle thermal comfort acquisition. International Journal of Biometeorology, 2021, 65, 1695-1705.	3.0	3

#	ARTICLE	IF	CITATIONS
710	Practice Teaching Method of Electronic Commerce Major Based on Data Mining Algorithm. Journal of Physics: Conference Series, 2021, 1852, 022039.	0.4	1
712	Distributed Variational Bayes-Based In-Network Security for the Internet of Things. IEEE Internet of Things Journal, 2021, 8, 6293-6304.	8.7	10
713	Multi-Parallel Adaptive Grasshopper Optimization Technique for Detecting Anonymous Attacks in Wireless Networks. Wireless Personal Communications, 2021, 119, 2787-2816.	2.7	4
714	Application process of machine learning in cyberspace security. , 2021, , .		1
715	A Multinomial DGA Classifier for Incipient Fault Detection in Oil-Impregnated Power Transformers. Algorithms, 2021, 14, 128.	2.1	13
716	A Review on Machine Learning Approaches for Network Malicious Behavior Detection in Emerging Technologies. Entropy, 2021, 23, 529.	2.2	20
717	Intelligent Media Forensics and Traffic Handling Scheme in 5G Edge Networks. Security and Communication Networks, 2021, 2021, 1-11.	1.5	5
718	Detection and Classification of Malicious Flows in Software-Defined Networks Using Data Mining Techniques. Sensors, 2021, 21, 2972.	3.8	6
719	A Unified Architectural Approach for Cyberattack-Resilient Industrial Control Systems. Proceedings of the IEEE, 2021, 109, 517-541.	21.3	58
720	Data Mining Techniques Based Diabetes Prediction. Indian Journal of Artificial Intelligence and Neural Networking, 2021, 1, 29-35.	0.4	0
721	Information Security Protection of Power System Computer Network. , 2021, , .		0
722	Distributed Ensemble based Deep Learning architecture for Intrusion Detection against Cyber attacks. Journal of Physics: Conference Series, 2021, 1916, 012080.	0.4	0
723	Training regime influences to semi-supervised learning for insider threat detection. , 2021, , .		4
724	Deep Learning-Based Intrusion Detection for Distributed Denial of Service Attack in Agriculture 4.0. Electronics (Switzerland), 2021, 10, 1257.	3.1	110
725	Adversarial Black-Box Attacks Against Network Intrusion Detection Systems: A Survey. , 2021, , .		7
726	Soft computing for anomaly detection and prediction to mitigate IoT-based real-time abuse. Personal and Ubiquitous Computing, 2024, 28, 123-133.	2.8	7
727	Network Traffic Anomaly Detection via Deep Learning. Information (Switzerland), 2021, 12, 215.	2.9	19
728	User Behaviour based Insider Threat Detection in Critical Infrastructures. , 2021, , .		4

#	ARTICLE	IF	CITATIONS
729	Flow-based intrusion detection algorithm for supervisory control and data acquisition systems: A real-time approach. IET Cyber-Physical Systems: Theory and Applications, 2021, 6, 178-191.	3.3	7
730	Towards an AI-powered Player in Cyber Defence Exercises. , 2021, , .		2
731	DDOS Detection on Internet of Things Using Unsupervised Algorithms. Journal of Cyber Security and Mobility, 0, , .	0.7	3
732	MalPhase: Fine-Grained Malware Detection Using Network Flow Data. , 2021, , .		11
733	Memory-Efficient Deep Learning for Botnet Attack Detection in IoT Networks. Electronics (Switzerland), 2021, 10, 1104.	3.1	25
734	Intrusion Detection System in Web Applications (IDSWA). , 2021, , .		1
735	PF-TL: Payload Feature-Based Transfer Learning for Dealing with the Lack of Training Data. Electronics (Switzerland), 2021, 10, 1148.	3.1	7
736	Advanced Classification Techniques for Improving Networks'™ Intrusion Detection System Efficiency. Journal of Applied Security Research, 2022, 17, 257-273.	1.2	2
737	Adaptive Clustering-based Malicious Traffic Classification at the Network Edge. , 2021, , .		15
738	Supervised feature selection techniques in network intrusion detection: A critical review. Engineering Applications of Artificial Intelligence, 2021, 101, 104216.	8.1	71
739	Volleyball Data Analysis System and Method Based on Machine Learning. Wireless Communications and Mobile Computing, 2021, 2021, 1-11.	1.2	6
740	Kernel-level tracing for detecting stegomalware and covert channels in Linux environments. Computer Networks, 2021, 191, 108010.	5.1	24
741	LIO-IDS: Handling class imbalance using LSTM and improved one-vs-one technique in intrusion detection system. Computer Networks, 2021, 192, 108076.	5.1	39
742	Time-Efficient Ensemble Learning with Sample Exchange for Edge Computing. ACM Transactions on Internet Technology, 2021, 21, 1-17.	4.4	2
743	Cloud Computing Intrusion Detection Technology Based on BP-NN. Wireless Personal Communications, 2022, 126, 1917-1934.	2.7	14
744	Machine Learning for Detecting Data Exfiltration. ACM Computing Surveys, 2022, 54, 1-47.	23.0	21
745	Enterprise human resource management based on big data mining technology of internet of things. Journal of Intelligent and Fuzzy Systems, 2021, , 1-7.	1.4	17
746	CyberLearning: Effectiveness analysis of machine learning security modeling to detect cyber-anomalies and multi-attacks. Internet of Things (Netherlands), 2021, 14, 100393.	7.7	57

#	ARTICLE	IF	CITATIONS
747	Probabilistic shaping communication system aided by neural network distribution matcher in data center optical network. Microwave and Optical Technology Letters, 2021, 63, 2274-2278.	1.4	1
748	A Multi-View Intrusion Detection Model for Reliable and Autonomous Model Updates. , 2021, , .		3
749	Modeling Realistic Adversarial Attacks against Network Intrusion Detection Systems. Digital Threats Research and Practice, 2022, 3, 1-19.	2.4	40
750	Classification of Tennis Video Types Based on Machine Learning Technology. Wireless Communications and Mobile Computing, 2021, 2021, 1-11.	1.2	5
751	ME-Box: A reliable method to detect malicious encrypted traffic. Journal of Information Security and Applications, 2021, 59, 102823.	2.5	5
752	Evolutionary Algorithm-based Feature Selection for an Intrusion Detection System. Engineering, Technology & Applied Science Research, 2021, 11, 7130-7134.	1.9	5
753	A New Method for Flow-Based Network Intrusion Detection Using the Inverse Potts Model. IEEE Transactions on Network and Service Management, 2021, 18, 1125-1136.	4.9	53
754	Anomaly Detection for Insider Threats Using Unsupervised Ensembles. IEEE Transactions on Network and Service Management, 2021, 18, 1152-1164.	4.9	42
755	On The Adversarial Robustness of Principal Component Analysis. , 2021, , .		0
756	Voting-Based Ensemble Model for Network Anomaly Detection. , 2021, , .		4
757	Comparing and Analyzing Applications of Intelligent Techniques in Cyberattack Detection. Security and Communication Networks, 2021, 2021, 1-23.	1.5	11
758	A Countermeasure Method Using Poisonous Data Against Poisoning Attacks on IoT Machine Learning. International Journal of Semantic Computing, 2021, 15, 215-240.	0.5	5
759	Occupational health and safety and data mining: a bibliometric analysis. GEPROS: GestÃ£o Da ProduÃ§Ã£o, OperaÃ§Ãµes E Sistemas, 2021, 16, 168-194.	0.1	0
760	OPriv: Optimizing Privacy Protection for Network Traffic. Journal of Sensor and Actuator Networks, 2021, 10, 38.	3.9	1
761	Obfuscated Tor Traffic Identification Based on Sliding Window. Security and Communication Networks, 2021, 2021, 1-11.	1.5	3
762	A Comprehensive Overview on Cybersecurity Threats and Attacks. International Journal of Innovative Technology and Exploring Engineering, 2021, 10, 98-106.	0.3	0
763	Prediction Model of Juvenile Football Playersâ€™ Sports Injury Based on Text Classification Technology of Machine Learning. Mobile Information Systems, 2021, 2021, 1-10.	0.6	10
764	Time-Window Based Group-Behavior Supported Method for Accurate Detection of Anomalous Users. , 2021, , .		3

#	ARTICLE	IF	CITATIONS
765	An overview of deep reinforcement learning for spectrum sensing in cognitive radio networks. , 2021, 113, 103014.		22
766	Analysis of Autoencoders for Network Intrusion Detection. Sensors, 2021, 21, 4294.	3.8	50
767	Automated Feature Selection for Anomaly Detection in Network Traffic Data. ACM Transactions on Management Information Systems, 2021, 12, 1-28.	2.8	8
768	Introducing Cloud Data Technology into Economic Statistics. , 2021, , .		0
769	An efficient Trust Related Attack Detection Model based on Machine Learning for Social Internet of Things. , 2021, , .		5
770	<scp>TRUSTâ€based</scp> features for detecting the intruders in the Internet of Things network using deep learning. Computational Intelligence, 2022, 38, 438-462.	3.2	6
772	Current Works on IDS Development Strategies for IoT. Lecture Notes in Electrical Engineering, 2022, , 15-24.	0.4	0
773	Classifier Performance Evaluation for Lightweight IDS Using Fog Computing in IoT Security. Electronics (Switzerland), 2021, 10, 1633.	3.1	25
774	Classification of environmental factors potentially motivating for dairy cows to access shade. Journal of Dairy Research, 2021, 88, 274-277.	1.4	3
775	Generative Adversarial Networks (GANs) in networking: A comprehensive survey & evaluation. Computer Networks, 2021, 194, 108149.	5.1	40
776	Implementation of ML Algorithmâ€™s for Cyber Security. International Journal of Scientific Research in Science and Technology, 2021, , 54-61.	0.1	1
777	Updating the Taxonomy of Intrusion Detection Systems. , 2021, , .		1
778	Deep Transfer Learning Based Intrusion Detection System for Electric Vehicular Networks. Sensors, 2021, 21, 4736.	3.8	52
779	Chaos teaching learning based algorithm for largeâ€™scale global optimization problem and its application. Concurrency Computation Practice and Experience, 0, , e6514.	2.2	6
780	Bayesian Models Applied to Cyber Security Anomaly Detection Problems. International Statistical Review, 2022, 90, 78-99.	1.9	0
781	Workflow Scheduling Based on Mobile Cloud Computing Machine Learning. Wireless Communications and Mobile Computing, 2021, 2021, 1-13.	1.2	4
782	A survey on intrusion detection system: feature selection, model, performance measures, application perspective, challenges, and future research directions. Artificial Intelligence Review, 2022, 55, 453-563.	15.7	74
783	Cybersecurity in Automotive: An Intrusion Detection System in Connected Vehicles. Electronics (Switzerland), 2021, 10, 1765.	3.1	31

#	ARTICLE	IF	CITATIONS
784	Autoencoder Based Anomaly Detection for SCADA Networks. International Journal of Artificial Intelligence and Machine Learning, 2021, 11, 83-99.	0.4	7
785	Blockchain Equity System Transaction Method and System Research Based on Machine Learning and Big Data Algorithm. Wireless Communications and Mobile Computing, 2021, 2021, 1-14.	1.2	3
786	Machine Learning for Authentication and Authorization in IoT: Taxonomy, Challenges and Future Research Direction. Sensors, 2021, 21, 5122.	3.8	28
787	Robust Malware Detection Models: Learning from Adversarial Attacks and Defenses. Forensic Science International: Digital Investigation, 2021, 37, 301183.	1.7	9
788	Threat detection and investigation with system-level provenance graphs: A survey. Computers and Security, 2021, 106, 102282.	6.0	29
789	Machine Learning for Detecting Anomalies and Intrusions in Communication Networks. IEEE Journal on Selected Areas in Communications, 2021, 39, 2254-2264.	14.0	23
790	MIND: A Multi-Source Data Fusion Scheme for Intrusion Detection in Networks. Sensors, 2021, 21, 4941.	3.8	9
791	On the Evaluation of Sequential Machine Learning for Network Intrusion Detection. , 2021, , .		9
793	Application-Aware Intrusion Detection: A Systematic Literature Review, Implications for Automotive Systems, and Applicability of AutoML. Frontiers in Computer Science, 2021, 3, .	2.8	0
794	Detection of Brute-Force Attacks in End-to-End Encrypted Network Traffic. , 2021, , .		4
795	Web User Trust Evaluation: A Novel Approach Using Fuzzy Petri Net and Behavior Analysis. Symmetry, 2021, 13, 1487.	2.2	2
796	Time Series Data Mining System Based on Anomaly Detection. , 2021, , .		0
797	A Review of Intrusion Detection Systems in RPL Routing Protocol Based on Machine Learning for Internet of Things Applications. Wireless Communications and Mobile Computing, 2021, 2021, 1-32.	1.2	19
798	High Efficiency Spam Filtering: A Manifold Learning-Based Approach. Mathematical Problems in Engineering, 2021, 2021, 1-7.	1.1	2
799	Optimal Packet Camouflage Against Traffic Analysis. ACM Transactions on Privacy and Security, 2021, 24, 1-23.	3.0	8
800	Deep learning model-based detection of jamming attacks in low-power and lossy wireless networks. Soft Computing, 2022, 26, 12893-12914.	3.6	2
801	AIRP: A system-based selection of adaptive intrusion recognition and prevention. Environmental Technology and Innovation, 2021, 23, 101640.	6.1	1
802	Deep learning algorithms for cyber security applications: A survey. Journal of Computer Security, 2021, 29, 447-471.	0.8	9

#	ARTICLE	IF	CITATIONS
803	Enhanced Security Authentication Based on Convolutional-LSTM Networks. Sensors, 2021, 21, 5379.	3.8	3
804	A fast and accurate threat detection and prevention architecture using stream processing. Concurrency Computation Practice and Experience, 0, , e6561.	2.2	3
805	Po-Miner: A Web Mining Poem Generator and its Security Model. SN Computer Science, 2021, 2, 1.	3.6	0
806	V2C: A Trust-Based Vehicle to Cloud Anomaly Detection Framework for Automotive Systems. , 2021, , .		2
808	Artificial Intelligence-Driven Fog Radio Access Networks: Integrating Decision Making Considering Different Time Granularities. IEEE Vehicular Technology Magazine, 2021, 16, 137-148.	3.4	3
810	A Random Forest with Minority Condensation and Decision Trees for Class Imbalanced Problems. WSEAS Transactions on Systems and Control, 2021, 16, 502-507.	0.8	1
811	Intrusion Detection for Network Based on Elite Clone Artificial Bee Colony and Back Propagation Neural Network. Wireless Communications and Mobile Computing, 2021, 2021, 1-11.	1.2	5
812	A blockchain-based decentralized machine learning framework for collaborative intrusion detection within UAVs. Computer Networks, 2021, 196, 108217.	5.1	44
813	Attention based multi-agent intrusion detection systems using reinforcement learning. Journal of Information Security and Applications, 2021, 61, 102923.	2.5	27
814	Towards asynchronous federated learning based threat detection: A DC-Adam approach. Computers and Security, 2021, 108, 102344.	6.0	26
815	An Insider Data Leakage Detection Using One-Hot Encoding, Synthetic Minority Oversampling and Machine Learning Techniques. Entropy, 2021, 23, 1258.	2.2	53
816	Blockchain-based synergistic solution to current cybersecurity frameworks. Multimedia Tools and Applications, 2022, 81, 36623-36644.	3.9	7
817	Mitigation of Malware Effect using Cyber Threat Analysis using Ensemble Deep Belief Networks. International Journal of Innovative Technology and Exploring Engineering, 2021, 10, 40-46.	0.3	0
818	Network Threat Detection Based on Group CNN for Privacy Protection. Wireless Communications and Mobile Computing, 2021, 2021, 1-18.	1.2	3
819	HyIDSVis: hybrid intrusion detection visualization analysis based on rare category and association rules. Journal of Visualization, 2022, 25, 175-190.	1.8	3
820	IoTBoT-IDS: A novel statistical learning-enabled botnet detection framework for protecting networks of smart cities. Sustainable Cities and Society, 2021, 72, 103041.	10.4	79
821	Malware detection on windows audit logs using LSTMs. Computers and Security, 2021, 109, 102389.	6.0	9
822	Anomaly Detection for Discovering Performance Degradation in Cellular IoT Services. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
823	Distributed Approaches to Supply Chain Simulation. ACM Transactions on Modeling and Computer Simulation, 2021, 31, 1-31.	0.8	5
824	Detecting anonymous attacks in wireless communication medium using adaptive grasshopper optimization algorithm. Cognitive Systems Research, 2021, 69, 1-21.	2.7	4
825	Proactive trust classification for detection of replication attacks in 6LoWPAN-based IoT. Internet of Things (Netherlands), 2021, 16, 100442.	7.7	5
826	Dynamic user-centric access control for detection of ransomware attacks. Computers and Security, 2021, 111, 102461.	6.0	12
827	Role of machine learning and deep learning in securing 5G-driven industrial IoT applications. Ad Hoc Networks, 2021, 123, 102685.	5.5	54
828	Deep Semisupervised Learning-Based Network Anomaly Detection in Heterogeneous Information Systems. Computers, Materials and Continua, 2022, 70, 413-431.	1.9	21
829	IoT Wireless Intrusion Detection and Network Traffic Analysis. Computer Systems Science and Engineering, 2022, 40, 865-879.	2.4	22
830	Efficient Autonomous Defense System Using Machine Learning on Edge Device. Computers, Materials and Continua, 2022, 70, 3565-3588.	1.9	3
831	Data Fusion-Based Machine Learning Architecture for Intrusion Detection. Computers, Materials and Continua, 2022, 70, 3399-3413.	1.9	60
832	Phase II: CSDS Practitionersâ€™Diagnostic Opinion Research and Gap Analysis. , 2021, , 115-199.		0
833	Securing Public Safety Communications on Commercial and Tactical 5G Networks: A Survey and Future Research Directions. IEEE Open Journal of the Communications Society, 2021, 2, 1590-1615.	6.9	21
834	Toward Design of an Intelligent Cyber Attack Detection System using Hybrid Feature Reduced Approach for IoT Networks. Arabian Journal for Science and Engineering, 2021, 46, 3749-3778.	3.0	76
835	Abnormal Traffic Detection of Industrial Edge Network Based on Deep Nature Learning. Lecture Notes in Computer Science, 2021, , 622-632.	1.3	0
836	Machine Learning for Misuse-Based Network Intrusion Detection: Overview, Unified Evaluation and Feature Choice Comparison Framework. IEEE Access, 2021, 9, 63995-64015.	4.2	19
837	Towards Machine Learning Based Intrusion Detection in IoT Networks. Computers, Materials and Continua, 2021, 69, 1801-1821.	1.9	43
838	STAN: Synthetic Network Traffic Generation with Generative Neural Models. Communications in Computer and Information Science, 2021, , 3-29.	0.5	9
839	Detection of Malicious Android Applications: Classical Machine Learning vs. Deep Neural Network Integrated with Clustering. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 109-128.	0.3	12
840	Phase I: CSDS as an Emerging Professionâ€™Diagnostic Literature Analysis. , 2021, , 13-113.		0

#	ARTICLE	IF	CITATIONS
843	DualNet: Locate Then Detect Effective Payload with Deep Attention Network. , 2021, , .		2
844	Comparative Study of Hybrid Machine Learning Algorithms for Network Intrusion Detection. Transactions on Computational Science and Computational Intelligence, 2021, , 607-619.	0.3	0
845	Intrusion Detection System Based on Fast Hierarchical Deep Convolutional Neural Network. IEEE Access, 2021, 9, 61024-61034.	4.2	69
846	Cryptographic Based Secure Model on Dataset for Deep Learning Algorithms. Computers, Materials and Continua, 2021, 69, 1183-1200.	1.9	6
847	Concluding Remarks and Future Outlook. Lecture Notes in Control and Information Sciences, 2021, , 377-390.	1.0	0
848	Rummage of Machine Learning Algorithms in Cancer Diagnosis. International Journal of E-Health and Medical Communications, 2021, 12, 1-15.	1.6	4
849	Multi-Type Anomaly Detection Based on Raw Network Traffic. , 2021, , .		1
850	DDoS Detection on Internet of Things using Unsupervised Algorithms. E3S Web of Conferences, 2021, 297, 01005.	0.5	2
851	Federated Machine Learning: Survey, Multi-Level Classification, Desirable Criteria and Future Directions in Communication and Networking Systems. IEEE Communications Surveys and Tutorials, 2021, 23, 1342-1397.	39.4	243
852	Hybrid Intrusion Detection System for Smart Home Applications. Advances in Civil and Industrial Engineering Book Series, 2021, , 300-322.	0.2	0
853	Machine Learning-Based Intrusion Detection System with Recursive Feature Elimination. Lecture Notes in Networks and Systems, 2021, , 157-172.	0.7	4
854	Machine Learning for Anomaly Detection: A Systematic Review. IEEE Access, 2021, 9, 78658-78700.	4.2	141
856	Industry 4.0 Implementation Challenges and Opportunities: A Technological Perspective. IEEE Systems Journal, 2022, 16, 2797-2810.	4.6	31
857	Solving Multitask Optimization Problems With Adaptive Knowledge Transfer via Anomaly Detection. IEEE Transactions on Evolutionary Computation, 2022, 26, 304-318.	10.0	41
858	Distributed Novelty Detection at the Edge for IoT Network Security. Lecture Notes in Computer Science, 2021, , 471-486.	1.3	0
859	Building an efficient intrusion detection system using grasshopper optimization algorithm for anomaly detection. Cluster Computing, 2021, 24, 1881-1900.	5.0	35
860	Efficient feature selection and classification through ensemble method for network intrusion detection on cloud computing. Cluster Computing, 2021, 24, 1761-1779.	5.0	69
861	Impact of Industrial Agglomeration on Regional Economy in a Simulated Intelligent Environment Based on Machine Learning. IEEE Access, 2021, 9, 20695-20702.	4.2	7

#	ARTICLE	IF	CITATIONS
864	Implementation of Machine Learning and Data Mining to Improve Cybersecurity and Limit Vulnerabilities to Cyber Attacks. Studies in Computational Intelligence, 2020, , 47-76.	0.9	12
865	Taxonomy of Supervised Machine Learning for Intrusion Detection Systems. Springer Proceedings in Business and Economics, 2020, , 619-628.	0.3	2
866	Enhancing Network Security Via Machine Learning: Opportunities and Challenges. , 2020, , 165-189.		12
867	Review on Cyber Security Intrusion Detection: Using Methods of Machine Learning and Data Mining. Intelligent Systems Reference Library, 2020, , 121-132.	1.2	3
868	Machine Learning and Deep Learning Techniques for Cybersecurity: A Review. Advances in Intelligent Systems and Computing, 2020, , 50-57.	0.6	84
869	Denoising Adversarial Autoencoder for Obfuscated Traffic Detection and Recovery. Lecture Notes in Computer Science, 2020, , 99-116.	1.3	4
870	Anomaly Network Traffic Detection Based on Deep Transfer Learning. Advances in Intelligent Systems and Computing, 2021, , 384-393.	0.6	1
871	Bayesian Networks for Online Cybersecurity Threat Detection. Studies in Computational Intelligence, 2021, , 129-159.	0.9	6
872	Evaluation of Anomaly-Based Intrusion Detection with Combined Imbalance Correction and Feature Selection. Lecture Notes in Computer Science, 2020, , 277-291.	1.3	7
873	A Collaborative Study of Intrusion Detection and Prevention Techniques in Cloud Computing. Lecture Notes in Networks and Systems, 2019, , 231-240.	0.7	26
874	Machine Learning and Deep Learning in Cyber Security for IoT. Lecture Notes in Electrical Engineering, 2020, , 975-981.	0.4	9
876	Intrusion Detection Based on Fusing Deep Neural Networks and Transfer Learning. Communications in Computer and Information Science, 2020, , 212-223.	0.5	8
877	Generalization Performance Comparison of Machine Learners for the Detection of Computer Worms Using Behavioral Features. Advances in Intelligent Systems and Computing, 2020, , 677-693.	0.6	1
878	A Systematic Review of Artificial Intelligence and Machine Learning Techniques for Cyber Security. Communications in Computer and Information Science, 2020, , 584-593.	0.5	7
879	Comparative Analysis of ML Classifiers for Network Intrusion Detection. Advances in Intelligent Systems and Computing, 2020, , 193-207.	0.6	34
880	A deep learning approach for effective intrusion detection in wireless networks using CNN. Soft Computing, 2020, 24, 17265-17278.	3.6	83
881	A Frontier: Dependable, Reliable and Secure Machine Learning for Network/System Management. Journal of Network and Systems Management, 2020, 28, 827-849.	4.9	15
882	Density peaks clustering based on density backbone and fuzzy neighborhood. Pattern Recognition, 2020, 107, 107449.	8.1	67

#	ARTICLE	IF	CITATIONS
883	Data mining and machine learning methods for sustainable smart cities traffic classification: A survey. Sustainable Cities and Society, 2020, 60, 102177.	10.4	148
884	Feature selection approach using ensemble learning for network anomaly detection. CAAI Transactions on Intelligence Technology, 2020, 5, 283-293.	8.1	25
885	A Machine Learning Security Framework for IoT Systems. IEEE Access, 2020, 8, 114066-114077.	4.2	111
886	Android Ransomware Detection using Machine Learning Techniques: A Comparative Analysis on GPU and CPU. , 2020, , .		9
887	Evaluation of Classification algorithms for Distributed Denial of Service Attack Detection. , 2020, , .		22
888	Enabling Highly Efficient Capsule Networks Processing Through A PIM-Based Architecture Design. , 2020, , .		15
889	Machine Learning Techniques for Network Anomaly Detection: A Survey. , 2020, , .		40
890	Deep Learning Based Covert Attack Identification for Industrial Control Systems. , 2020, , .		8
891	Generative Deep Learning for Internet of Things Network Traffic Generation. , 2020, , .		24
892	Enhanced network intrusion detection system protocol for internet of things. , 2020, , .		12
893	SOM-based behavioral analysis for virtualized network functions. , 2020, , .		4
894	Putting Together Wavelet-based Scaleograms and Convolutional Neural Networks for Anomaly Detection in Nuclear Reactors. , 2019, , .		5
895	Predictive Cyber Situational Awareness and Personalized Blacklisting. ACM Transactions on Management Information Systems, 2020, 11, 1-16.	2.8	20
896	SoK. , 2020, , .		28
897	Network Intrusion Detection Using Wrapper-based Decision Tree for Feature Selection. , 2020, , .		11
898	Study on Security and Privacy in 5G-Enabled Applications. Wireless Communications and Mobile Computing, 2020, 2020, 1-15.	1.2	10
899	Kitsune: An Ensemble of Autoencoders for Online Network Intrusion Detection. , 2018, , .		524
900	Classification of Computer Network Users with Convolutional Neural Networks. , 0, , .		3

#	ARTICLE	IF	CITATIONS
901	Development of a system for the detection of cyber attacks based on the clustering and formation of reference deviations of attributes. Eastern-European Journal of Enterprise Technologies, 2017, 3, 43-52.	0.5	3
902	Designing a decision support system for the weakly formalized problems in the provision of cybersecurity. Eastern-European Journal of Enterprise Technologies, 2017, 1, 4-15.	0.5	15
903	Data mining as a hatchery process evaluation tool. Scientia Agricola, 2020, 77, .	1.2	4
904	Data Mining for Detecting E-learning Courses Anomalies: An Application of Decision Tree Algorithm. International Journal on Advanced Science, Engineering and Information Technology, 2018, 8, 980.	0.4	3
905	Villani at SemEval-2018 Task 8: Semantic Extraction from Cybersecurity Reports using Representation Learning. , 2018, , .		6
908	IoT Area Network Simulator For Network Dataset Generation. Journal of Information Processing, 2020, 28, 668-678.	0.4	2
909	Towards a Robust Method of Dataset Generation of Malicious Activity for Anomaly-Based HIDS Training and Presentation of AWSCTD Dataset. Baltic Journal of Modern Computing, 2018, 6, .	0.4	9
910	Cross-Site Scripting (XSS) Detection Integrating Evidences in Multiple Stages. , 2019, , .		6
911	Detecting Cyber Security Vulnerabilities through Reactive Programming. , 2019, , .		4
912	INTELLIGENT AUTHENTICATION FOR IDENTITY AND ACCESS MANAGEMENT: A REVIEW PAPER. Iraqi Journal for Computers and Informatics, 2019, 45, 6-10.	0.7	3
913	G�zetimsiz Makine �renme Teknikleri ile Miktaraya Dayalı Negatif Birliktelik Kural Madenciliđi. D�zce �niversitesi Bilim Ve Teknoloji Dergisi, 2018, 6, 1119-1138.	0.7	4
914	Developing an Intrusion Detection Framework for High-Speed Big Data Networks: A Comprehensive Approach. KSII Transactions on Internet and Information Systems, 2018, 12, .	0.3	5
915	Survey on security and privacy issues in cyber physical systems. AIMS Electronics and Electrical Engineering, 2019, 3, 111-143.	1.5	22
916	Advanced-Level Security in Network and Real-Time Applications Using Machine Learning Approaches. Advances in Computational Intelligence and Robotics Book Series, 2019, , 84-104.	0.4	31
917	Applications of Machine Learning in Cyber Security. Advances in Information Security, Privacy, and Ethics Book Series, 2020, , 83-103.	0.5	13
918	Big Data Analytics for Intrusion Detection. Advances in Information Security, Privacy, and Ethics Book Series, 2020, , 292-316.	0.5	6
919	Design of College English Process Evaluation System Based on Data Mining Technology and Internet of Things. International Journal of Data Warehousing and Mining, 2020, 16, 18-33.	0.6	21
920	In-depth Comparative Evaluation of Supervised Machine Learning Approaches for Detection of Cybersecurity Threats. , 2019, , .		10

#	ARTICLE	IF	CITATIONS
921	Federated Adaptive Asynchronous Clustering Algorithm for Wireless Mesh Networks. IEEE Transactions on Knowledge and Data Engineering, 2021, , 1-1.	5.7	10
922	A Double-Layered Hybrid Approach for Network Intrusion Detection System Using Combined Naive Bayes and SVM. IEEE Access, 2021, 9, 138432-138450.	4.2	55
923	A Comparative Study on Cyber Threat Intelligence: The Security Incident Response Perspective. IEEE Communications Surveys and Tutorials, 2021, 23, 2525-2556.	39.4	29
924	Use of Smart Intrusion Detection System for Enhancing the Security in Hierarchical Wireless Sensor Network. SSRN Electronic Journal, 0, , .	0.4	0
925	Generative-Adversarial Class-Imbalance Learning for Classifying Cyber-Attacks and Faults - A Cyber-Physical Power System. IEEE Transactions on Dependable and Secure Computing, 2022, 19, 4068-4081.	5.4	9
926	A Network Intrusion Detection System for Concept Drifting Network Traffic Data. Lecture Notes in Computer Science, 2021, , 111-121.	1.3	3
927	Machine Learning for Security and Security for Machine Learning: A Literature Review. , 2021, , .		3
928	FPGA Hardware Acceleration Framework for Anomaly-based Intrusion Detection System in IoT. , 2021, , .		7
929	MPDP <i>k</i> -medoids: Multiple partition differential privacy preserving <i>k</i> -medoids clustering for data publishing in the Internet of Medical Things. International Journal of Distributed Sensor Networks, 2021, 17, 155014772110425.	2.2	3
930	Two-Step Algorithm to Detect Cyber-Attack Over the Can-Bus: A Preliminary Case Study in Connected Vehicles. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering, 2022, 8, .	1.1	8
931	Reinforce NIDS Using GAN to Detect U2R and R2L Attacks. Smart Innovation, Systems and Technologies, 2022, , 357-369.	0.6	2
932	Botnet attack detection in Internet of Things devices over cloud environment via machine learning. Concurrency Computation Practice and Experience, 2022, 34, e6662.	2.2	40
933	A Survey: Beyond 5G Toward 6G”Network Security Issues, Thrust Areas and Challenges. Lecture Notes in Electrical Engineering, 2022, , 875-883.	0.4	1
934	Optimization of vector convolutional deep neural network using binary real cumulative incarnation for detection of distributed denial of service attacks. Neural Computing and Applications, 2022, 34, 2869-2882.	5.6	6
936	Information Security in Artificial Intelligence: A Study of the possible intersection. , 2016, , .		0
937	Towards Multi-Stage Intrusion Detection using IP Flow Records. International Journal of Advanced Computer Science and Applications, 2016, 7, .	0.7	0
938	REASONING ALGORITHM FOR THE CREATIVE DECISION SUPPORT SYSTEM INTEGRATING INFERENCE AND MACHINE LEARNING. Computer Science, 2017, 18, 321.	0.6	0
939	Evaluating Sequence Discovery Systems in an Abstraction-Aware Manner. IFIP Advances in Information and Communication Technology, 2018, , 261-272.	0.7	0

#	ARTICLE	IF	CITATIONS
940	A Novel Design of Sophisticated Distributed Knowledge Extraction Process on Grid Architecture. Communications on Applied Electronics, 2018, 7, 12-19.	0.4	0
941	Ensemble Network Intrusion Detection Model Based on Classification Clustering for Dynamic Environment. International Journal of Engineering Research & Technology, 2018, V7, .	0.2	0
942	Algebra for distributed collaborative semi-supervised classification of cyber activities. , 2018, , .		0
943	Distributed Mining of Outliers from Large Multi-Dimensional Databases. International Journal of Engineering and Technology(UAE), 2018, 7, 292.	0.3	0
944	Review Paper on Shallow Learning and Deep Learning Methods for Network security. International Journal of Scientific Research in Computer Sciences and Engineering, 2018, 6, 45-54.	0.2	0
945	Cyber intrusion detection on critical infrastructures using fuzzy neural first order hybrid Petri net. Journal of Control, 2018, 12, 63-75.	0.1	0
946	DATA MINING OF COMMODITY PROPOSALS BASED ON CONTEXT RECOMMENDATIONS. Bulletin of National Technical University KhPI Series System Analysis Control and Information Technologies, 2018, 1320, 57-66.	0.1	0
948	OutGene: Detecting Undefined Network Attacks with Time Stretching and Genetic Zooms. Lecture Notes in Computer Science, 2019, , 199-220.	1.3	3
949	A Self-Learning Framework for the IoT Security. Advances in Multimedia and Interactive Technologies Book Series, 2019, , 34-53.	0.2	0
950	Load Effect Impact on the Exploitation of Concrete Machine Foundations Used in the Gas and Oil Industry. International Journal of Structural and Civil Engineering Research, 2019, , 294-299.	0.1	0
951	A Machine Learning Approach for Predicting Bank Customer Behavior in the Banking Industry. Advances in Computational Intelligence and Robotics Book Series, 2019, , 57-83.	0.4	1
952	Big Data for Cybersecurity. , 2019, , 236-244.		0
953	Machine Learning With Avatar-Based Management of Slepsov Net-Processor Platform to Improve Cyber Security. Advances in Computational Intelligence and Robotics Book Series, 2019, , 139-153.	0.4	1
954	Algorithm and Improved Methodology for Clustering Data with Self-learning Elements for Intrusion Detection Systems. Advances in Intelligent Systems and Computing, 2019, , 165-173.	0.6	0
955	Intrusion Detection and Avoidance for a Heterogeneous Cluster of Web Sites. Lecture Notes in Computer Science, 2019, , 250-256.	1.3	1
956	Detection of Application-Layer Tunnels with Rules and Machine Learning. Lecture Notes in Computer Science, 2019, , 441-455.	1.3	7
957	Forget the Myth of the Air Gap: Machine Learning for Reliable Intrusion Detection in SCADA Systems. EAI Endorsed Transactions on Security and Safety, 2019, 6, 159348.	0.6	9
958	Next-Generation Architecture and Autonomous Cyber-Defense. Advances in Information Security, 2019, , 203-234.	1.2	0

#	ARTICLE	IF	CITATIONS
959	Supervised Machine Learning based Routing Detection for Smart Meter Network. , 2019, , .		4
960	Implementation of K-Means Clustering for Intrusion Detection. International Journal of Scientific Research in Computer Science Engineering and Information Technology, 2019, , 1232-1241.	0.3	3
961	Data science. Facets, 2019, 4, 131-135.	2.4	0
962	Derin ĖĖrenme Modelleri ve Uygulama AlanlarĖna ĖliĖkin Bir Derleme. DĖMF MĖhendislik Dergisi, 2019, 10, 409-445.	0.2	19
963	A Fuzzy Based MCDM Methodology for Risk Evaluation of Cyber Security Technologies. Advances in Intelligent Systems and Computing, 2020, , 1042-1049.	0.6	2
964	A Proposal on Phishing URL Classification for Web Security. International Journal of Computer Applications, 2019, 178, 47-49.	0.2	4
965	A Monitoring and Threat Detection System Using Stream Processing as a Virtual Function for Big Data. , 0, , .		1
967	Normal Profile Updating Method for Enhanced Packet Header Anomaly Detection. Advances in Intelligent Systems and Computing, 2020, , 734-747.	0.6	0
968	MalRank. , 2019, , .		21
969	An Enhanced Machine Learning based Threat Hunter An Intelligent Network Intrusion Detection System. , 2019, , .		0
970	CLUSTERING NETWORK ATTACK FEATURES IN INFORMATION SECURITY ANALYSIS TASKS. Cybersecurity Education Science Technique, 2020, 1, 45-58.	0.4	0
971	Towards Evaluating the Robustness of Deep Intrusion Detection Models in Adversarial Environment. Communications in Computer and Information Science, 2020, , 111-120.	0.5	6
972	Machine Learning and Cyber Security. , 2020, , 1034-1042.		2
973	Cloud-Assisted Privacy Protection for Data Retrieval Against Keyword Guessing Attacks. Lecture Notes in Computer Science, 2020, , 307-316.	1.3	0
974	An Overview of Cyber Threat Intelligence Platform and Role of Artificial Intelligence and Machine Learning. Lecture Notes in Computer Science, 2020, , 81-86.	1.3	6
975	Dynamic Attack Scoring Using Distributed Local Detectors. , 2020, , .		1
976	DIADL. , 2020, , .		1
977	Metric Learning with Neural Network for Modbus/TCP Anomaly Detection. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
978	Detecting a Stealthy Attack in Distributed Control for Microgrids using Machine Learning Algorithms. , 2020, , .		8
980	Would an Object Representation Invariant Provide Sufficient State Based Knowledge to Adapt Network Intrusion Detection System Rules With Minimal Impact to System Resources?. , 2020, , .		0
982	Autoencoders. , 2020, , .		3
983	Ensuring Data Privacy Using Machine Learning for Responsible Data Science. Advances in Intelligent Systems and Computing, 2021, , 507-514.	0.6	5
984	Application of artificial fish swarm optimization semi-supervised kernel fuzzy clustering algorithm in network intrusion. Journal of Intelligent and Fuzzy Systems, 2020, 39, 1619-1626.	1.4	1
985	Machine Learning in 5G Wireless Networks. Springer Series in Wireless Technology, 2021, , 391-410.	1.1	0
986	Sentiment Analysis of Audio Diary. Lecture Notes in Electrical Engineering, 2021, , 99-111.	0.4	1
987	Detection and Recognition of Abnormal Data Caused by Network Intrusion Using Deep Learning. Informatica (Slovenia), 2021, 45, .	0.9	1
988	Data Selection and Machine Learning Algorithm Application Under the Background of Big Data. Lecture Notes on Data Engineering and Communications Technologies, 2022, , 96-103.	0.7	0
989	Intrusion detection based on Machine Learning techniques in computer networks. Internet of Things (Netherlands), 2021, 16, 100462.	7.7	47
990	A Novel Intrusion Detection Approach Using Machine Learning Ensemble for IoT Environments. Applied Sciences (Switzerland), 2021, 11, 10268.	2.5	12
991	Machine Learning based Access Control Framework for the Internet of Things. International Journal of Advanced Computer Science and Applications, 2020, 11, .	0.7	6
992	Machine Learning Methods for Network Intrusion Detection. SSRN Electronic Journal, 0, , .	0.4	0
994	Active Spectral Botnet Detection Based on Eigenvalue Weighting. , 2020, , 385-397.		10
995	Intrusion Detection in Smart City Hospitals using Ensemble Classifiers. , 2020, , .		22
996	A Survey on Cloud Attack Detection using Machine Learning Techniques. International Journal of Computer Applications, 2020, 175, 21-27.	0.2	1
997	Unmasking Windows Advanced Persistent Threat Execution. , 2020, , .		2
998	A Defense Method against Poisoning Attacks on IoT Machine Learning Using Poisonous Data. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
999	A network digital works protection method based on digital watermarking and intrusion detection. , 2020, , .		1
1000	TL-NID: Deep Neural Network with Transfer Learning for Network Intrusion Detection. , 2020, , .		16
1001	Methods and tools of parallel event processing for creating new generation of security monitoring systems. Informatization and Communication, 2020, 5, 107-118.	0.1	0
1002	A Framework for the Attack Tolerance of Cloud Applications Based on Web Services. Electronics (Switzerland), 2021, 10, 6.	3.1	4
1003	A study on deep learning approaches over Malware detection. , 2020, , .		3
1004	A Deep Random Forest Model on Spark for Network Intrusion Detection. Mobile Information Systems, 2020, 2020, 1-16.	0.6	9
1005	An intrusion detection system integrating network-level intrusion detection and host-level intrusion detection. , 2020, , .		5
1006	An Approach for Preventing and Detecting Attacks in the Cloud. , 2020, , .		0
1007	C2BID: Cluster Change-Based Intrusion Detection. , 2020, , .		1
1008	Comparison of different deep learning frameworks. Materials Today: Proceedings, 2020, , .	1.8	1
1009	Comprehensive review on hierarchical control of cyberâ€¢physical microgrid system. IET Generation, Transmission and Distribution, 2020, 14, 6397-6416.	2.5	13
1010	Machine Learning Methods for Anomaly Detection in Industrial Control Systems. , 2020, , .		2
1011	Research on the Performance of Machine Learning Algorithms for Intrusion Detection System. Journal of Physics: Conference Series, 2020, 1693, 012109.	0.4	3
1012	Network Attack Detection System Using Filter-based Feature Selection and SVM. , 2020, , .		0
1013	A Study on the Effect of Dimensionality Reduction on Cyber-Attack Identification in Water Storage Tank SCADA Systems. , 2021, , 171-187.		0
1014	UN-AVOIDS: Unsupervised and Nonparametric Approach for Visualizing Outliers and Invariant Detection Scoring. IEEE Transactions on Information Forensics and Security, 2021, 16, 5195-5210.	6.9	10
1015	Deep Reinforcement Learning for Cyber Security. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 3779-3795.	11.3	100
1016	Big Data Analytics With Machine Learning and Deep Learning Methods for Detection of Anomalies in Network Traffic. , 2022, , 678-707.		1

#	ARTICLE	IF	CITATIONS
1017	A Survey on Data-driven Network Intrusion Detection. ACM Computing Surveys, 2022, 54, 1-36.	23.0	45
1018	Machine Learning and Deep Learning. SpringerBriefs on Cyber Security Systems and Networks, 2020, , 77-87.	0.2	1
1019	Machine Learning Based Web-Traffic Analysis for Detection of Fraudulent Resource Consumption Attack in Cloud. , 2019, , .		3
1021	Are Network Attacks Outliers? A Study of Space Representations and Unsupervised Algorithms. Communications in Computer and Information Science, 2020, , 159-175.	0.5	3
1022	A Practicable Machine Learning Solution for Security-Cognizant Data Placement on Cloud Platforms. , 2020, , 111-131.		1
1023	Dynamic Machine Learning Algorithm for AODV Routing Attacks Detection. , 2020, , .		1
1024	A Review of Machine Learning Methods Applied for Handling Zero-Day Attacks in the Cloud Environment. Advances in Information Security, Privacy, and Ethics Book Series, 2020, , 364-387.	0.5	2
1025	Erratic server behavior detection using machine learning on streams of monitoring data. EPJ Web of Conferences, 2020, 245, 07002.	0.3	0
1026	A Sequential Detection Method for Intrusion Detection System Based on Artificial Neural Networks. International Journal of Networking and Computing, 2020, 10, 213-226.	0.4	4
1028	Ransomware Network Traffic Analysis for Pre-encryption Alert. Lecture Notes in Computer Science, 2020, , 20-38.	1.3	7
1029	Intrusion Detection Based on Cluster Analysis and Nonsymmetric Autoencoder. Advances in Intelligent Systems and Computing, 2020, , 56-64.	0.6	1
1030	Hybrid Intrusion Detection with Decision Tree and Critical State Analysis for CBTC. Lecture Notes in Electrical Engineering, 2020, , 153-161.	0.4	1
1031	A Comprehensive Technical Survey of Contemporary Cybersecurity Products and Solutions. Lecture Notes in Computer Science, 2020, , 3-18.	1.3	1
1032	Intrusion Detection Study and Enhancement Using Machine Learning. Lecture Notes in Computer Science, 2020, , 263-278.	1.3	0
1033	Towards a Hierarchical Deep Learning Approach for Intrusion Detection. Lecture Notes in Computer Science, 2020, , 15-27.	1.3	6
1034	Machine Learning for Network Intrusion Detection Based on SVM Binary Classification Model. Advances in Science, Technology and Engineering Systems, 2020, 5, 638-644.	0.5	3
1035	Threat Detection in Cyber Security Using Data Mining and Machine Learning Techniques. Advances in Information Security, Privacy, and Ethics Book Series, 2020, , 234-253.	0.5	1
1036	Hyperparameter Optimization of ICS Intrusion Detection Classifier Based on Improved Hybrid Algorithm. Communications in Computer and Information Science, 2020, , 292-305.	0.5	0

#	ARTICLE	IF	CITATIONS
1037	Enhance Intrusion Detection in Computer Networks Based on Deep Extreme Learning Machine. Computers, Materials and Continua, 2020, 66, 467-480.	1.9	12
1038	Port-Piece Embedding for Darknet Traffic Features and Clustering of Scan Attacks. Lecture Notes in Computer Science, 2020, , 593-603.	1.3	1
1039	Big Data Analytics With Machine Learning and Deep Learning Methods for Detection of Anomalies in Network Traffic. Advances in Information Security, Privacy, and Ethics Book Series, 2020, , 317-346.	0.5	2
1040	A Survey on Intrusion Detection in Wired and Wireless Network for Future IoT Deployment. Advances in Computer and Electrical Engineering Book Series, 2020, , 119-144.	0.3	0
1041	Improving Auto-Detection of Phishing Websites using Fresh-Phish Framework. , 2020, , 326-340.		0
1042	Visualizing the Malicious of Your Network Traffic by Explained Deep Learning. , 2020, , .		0
1043	A Peek Into the Reasoning of Neural Networks: Interpreting with Structural Visual Concepts. , 2021, , .		20
1044	Machine Learning Based Anomaly Detection as an Emerging Trend in Telecommunications. Journal of Sustainable Business and Management Solutions in Emerging Economies, 0, , .	0.6	2
1045	Computer Information Processing Technology Based on Data Mining Technology. , 2021, , .		0
1046	D-Fence: A Flexible, Efficient, and Comprehensive Phishing Email Detection System. , 2021, , .		10
1047	Flow based Sequential Grouping System for Malicious Traffic Detection. KSII Transactions on Internet and Information Systems, 2021, 15, .	0.3	0
1048	Application of Data Mining Technology in Public Welfare Sports Education in the Era of Artificial Intelligence. Mobile Information Systems, 2021, 2021, 1-13.	0.6	5
1049	An Intelligent Evaluation Method of Information Course Teaching Effect Based on Image Analysis. Scientific Programming, 2021, 2021, 1-9.	0.7	1
1050	EFFICIENT INTRUSION DETECTION TECHNIQUE USING STACKED AUTOENCODER. Advances in Mathematics: Scientific Journal (discontinued), 2020, 9, 3839-3848.	0.2	0
1051	SoK. , 2020, , .		7
1052	A Novel Approach to Reduce False-Negative Alarm Rate in Network-Based Intrusion Detection System Using Linear Discriminant Analysis. Lecture Notes in Networks and Systems, 2021, , 911-921.	0.7	2
1053	Analysis of Visual Distribution Optimization of Power Grid Based on Data Mining. , 2020, , .		0
1054	Tiki-Taka. , 2020, , .		17

#	ARTICLE	IF	CITATIONS
1055	IoT Botnet Malware Classification Using Weka Tool and Scikit-learn Machine Learning. , 2020, , .		2
1056	Comparative Study of Datasets used in Cyber Security Intrusion Detection. International Journal of Scientific Research in Computer Science Engineering and Information Technology, 2020, , 302-312.	0.3	1
1057	Machine Learning in Network Anomaly Detection: A Survey. IEEE Access, 2021, 9, 152379-152396.	4.2	31
1058	A Deep Learning Approach for DDoS Attack Detection Using Supervised Learning. MATEC Web of Conferences, 2021, 348, 01012.	0.2	3
1059	Representation learning-based network intrusion detection system by capturing explicit and implicit feature interactions. Computers and Security, 2022, 112, 102537.	6.0	20
1060	Implementation of Data Mining Technology in Bonded Warehouse Inbound and Outbound Goods Trade. Journal of Organizational and End User Computing, 2021, 34, 1-18.	2.9	3
1061	An Intelligent Mechanism to Detect Cyberattacks of Mirai Botnet in IoT Networks. , 2021, , .		5
1062	A Nonparametric Bayesian Framework for Multivariate Beta Mixture Models. , 2021, , .		3
1063	Forecasting Tools in Practical Applications: Selection and Evaluation Methodology. , 2021, , .		0
1064	Intrusion Detection using Convolutional Neural Networks with Feature Reduction. , 2021, , .		1
1065	The Design of Apriori-TIDS Algorithm Based on Big Data and Its Application in the Information Mining of College Counselors' Educational Decision-making. , 2021, , .		0
1066	CARS: Dynamic Cyber-attack Reaction in SDN-based Networks with Q-learning. , 2021, , .		1
1067	Detecting security attacks in cyber-physical systems: a comparison of Mule and WSO2 intelligent IoT architectures. PeerJ Computer Science, 2021, 7, e787.	4.5	5
1068	Detection of Username Enumeration Attack on SSH Protocol: Machine Learning Approach. Symmetry, 2021, 13, 2192.	2.2	6
1069	Intelligent Cyber-Security System for IoT-Aided Drones Using Voting Classifier. Electronics (Switzerland), 2021, 10, 2926.	3.1	12
1070	A Survey of Machine Learning Techniques for Video Quality Prediction from Quality of Delivery Metrics. Electronics (Switzerland), 2021, 10, 2851.	3.1	11
1071	Realtime Robust Malicious Traffic Detection via Frequency Domain Analysis. , 2021, , .		44
1072	A spatial-temporal correlation based method for advanced persistent threat detection. Journal of Physics: Conference Series, 2021, 2113, 012037.	0.4	0

#	ARTICLE	IF	CITATIONS
1073	Dimension Estimation Using Autoencoders and Application. Advances in Intelligent Systems and Computing, 2022, , 95-121.	0.6	0
1074	How to Effectively Collect and Process Network Data for Intrusion Detection?. Entropy, 2021, 23, 1532.	2.2	7
1075	On the Robustness of Domain Constraints. , 2021, , .		10
1076	Design of Early Warning Platform for College Students's Achievement Based on Data Mining. Journal of Physics: Conference Series, 2021, 2066, 012078.	0.4	3
1077	Building a dataset through attack pattern modeling and analysis system. Computers and Electrical Engineering, 2022, 97, 107614.	4.8	2
1078	Machine Learning Cybersecurity Adoption in Small and Medium Enterprises in Developed Countries. Computers, 2021, 10, 150.	3.3	18
1080	A Review on Intrusion Detection System Using a Machine Learning Algorithms. Lecture Notes in Networks and Systems, 2022, , 281-290.	0.7	0
1083	A Hybrid Deep Learning Approach for Replay and DDoS Attack Detection in a Smart City. IEEE Access, 2021, 9, 154864-154875.	4.2	20
1084	Research on hybrid intrusion detection method based on the ADASYN and ID3 algorithms. Mathematical Biosciences and Engineering, 2021, 19, 2030-2042.	1.9	13
1085	Knowledge-Driven Machine Learning and Applications in Wireless Communications. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 454-467.	7.9	6
1086	Surveying Trust-Based Collaborative Intrusion Detection: State-of-the-Art, Challenges and Future Directions. IEEE Communications Surveys and Tutorials, 2022, 24, 280-305.	39.4	24
1087	Parameter Estimation and Classification via Supervised Learning in the Wireless Physical Layer. IEEE Access, 2021, 9, 164854-164886.	4.2	2
1088	Data mining in occupational safety and health: a systematic mapping and roadmap. Production, 0, 31, .	1.3	1
1089	Komparasi Information Gain, Gain Ratio, CFs-Bestfirst dan CFs-PSO Search Terhadap Performa Deteksi Anomali. Jurnal Media Informatika Budidarma, 2021, 5, 332.	0.2	2
1090	How Machine Learning Changes the Nature of Cyberattacks on IoT Networks: A Survey. IEEE Communications Surveys and Tutorials, 2022, 24, 248-279.	39.4	41
1091	Investigating the Effect of Traffic Sampling on Machine Learning-Based Network Intrusion Detection Approaches. IEEE Access, 2022, 10, 5801-5823.	4.2	10
1092	Research Trends in Network-Based Intrusion Detection Systems: A Review. IEEE Access, 2021, 9, 157761-157779.	4.2	23
1093	A Taxonomy of Machine-Learning-Based Intrusion Detection Systems for the Internet of Things: A Survey. IEEE Internet of Things Journal, 2022, 9, 9444-9466.	8.7	26

#	ARTICLE	IF	CITATIONS
1094	Intellectual structure of cybersecurity research in enterprise information systems. Enterprise Information Systems, 2023, 17, .	4.7	10
1095	Machine Learning and Deep Learning Approaches for Intrusion Detection: A Comparative Study. Lecture Notes in Networks and Systems, 2022, , 75-95.	0.7	2
1096	Adversarial Attacks Against Deep Learning-Based Network Intrusion Detection Systems and Defense Mechanisms. IEEE/ACM Transactions on Networking, 2022, 30, 1294-1311.	3.8	24
1097	A tree-based stacking ensemble technique with feature selection for network intrusion detection. Applied Intelligence, 2022, 52, 9768-9781.	5.3	44
1098	Cyber Security Intrusion Detection for Agriculture 4.0: Machine Learning-Based Solutions, Datasets, and Future Directions. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 407-436.	13.1	38
1099	A K-Means clustering and SVM based hybrid concept drift detection technique for network anomaly detection. Expert Systems With Applications, 2022, 193, 116510.	7.6	37
1100	Augmenting Zero Trust Network Architecture to enhance security in virtual power plants. Energy Reports, 2022, 8, 1309-1320.	5.1	16
1101	Comparing Machine Learning Techniques for Zeek Log Analysis. , 2019, , .		2
1102	SMOTE: Class Imbalance Problem In Intrusion Detection System. , 2020, , .		3
1103	Unsupervised Machine Learning Techniques for Network Intrusion Detection on Modern Data. , 2020, , .		15
1104	AI and machine learning: A mixed blessing for cybersecurity. , 2020, , .		9
1105	Anomaly Based Intrusion Detection for IoT with Machine Learning. , 2020, , .		6
1106	Poster: Speeding Up Network Intrusion Detection. , 2020, , .		1
1107	EagerNet: Early Predictions of Neural Networks for Computationally Efficient Intrusion Detection. , 2020, , .		1
1108	Adopting Intelligent Modelling to Trace Fault in Underground Optical Network: A Comprehensive Survey. Journal of Computer Science, 2020, 16, 1355-1366.	0.6	0
1109	Realtime Detection Of Network Anomalies Using Neural Network. , 2020, , .		1
1110	A Feature Subset Selection Method Based on the Combination of PCA and Improved GA. , 2020, , .		2
1111	Artificial Intelligence (AI)-Centric Management of Resources in Modern Distributed Computing Systems. , 2020, , .		7

#	ARTICLE	IF	CITATIONS
1112	Improved Rules and Authorization Key Processing for Secured Online Training. , 2020, , .		1
1113	Twitter Bot Detection with Reduced Feature Set. , 2020, , .		6
1114	Online Reasoning about the Root Causes of Software Rollout Failures in the Smart Grid. , 2020, , .		3
1115	A Pragmatic Optimal Approach for Detection of Cyber Attacks using Genetic Programming. , 2020, , .		3
1116	Research on Intelligent Detection of Intrusion Data in Network. , 2020, , .		0
1117	An Optimized Deep Learning Framework for Network Intrusion Detection System (NIDS). , 2020, , .		0
1118	CryingJackpot: Network Flows and Performance Counters against Cryptojacking. , 2020, , .		11
1119	Machine learning and datamining methods for hybrid IoT intrusion detection. , 2020, , .		2
1120	Cyber Attacks Mitigation: Detecting Malicious Activities in Network Traffic – A Review of Literature. International Journal of Case Studies in Business, IT, and Education, 0, , 40-64.	0.0	0
1121	Bi-Discriminator Gan for Tabular Data Synthesis. SSRN Electronic Journal, 0, , .	0.4	1
1122	Data Mining Techniques Based Diabetes Prediction. Indian Journal of Artificial Intelligence and Neural Networking, 2021, 1, 29-35.	0.4	3
1123	A Survey on Machine Learning based Intrusion Detection Systems Using Apache Spark. , 2021, , .		0
1124	ADS-B Attack Classification using Machine Learning Techniques. , 2021, , .		1
1125	NeVe: A Log-based Fast Incremental Network Feature Embedding Approach. , 2021, , .		1
1126	Artificial Accurate Time-stamp in Network Adapters. , 2021, , .		0
1127	Excess-Mass and Mass-Volume anomaly detection algorithms applicability in unsupervised intrusion detection systems. , 2021, , .		1
1128	Detection of Advanced Persistent Threat based on Kill Chain Node Mapping and LSTM. , 2021, , .		0
1129	Cyber Senses: Modeling Network Situational Awareness after Biology. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
1130	Detection of DoS Attack using AdaBoost Algorithm on IoT System. , 2021, , .		29
1131	Regional Center of Cybersecurity anomaly detection module efficiency in network monitoring scenarios. , 2021, , .		0
1132	The Diminished Importance of Connection-based Features in Intrusion Detection. , 2021, , .		0
1133	Deep Reinforcement Learning for FlipIt Security Game. Studies in Computational Intelligence, 2022, , 831-843.	0.9	3
1134	A Deep Learning-Based Intrusion Detection Technique for a Secured IoMT System. Communications in Computer and Information Science, 2022, , 50-62.	0.5	17
1135	Human motion tracking and 3D motion track detection technology based on visual information features and machine learning. Neural Computing and Applications, 2022, 34, 12439-12451.	5.6	4
1136	An Analysis of Integrating Machine Learning in Healthcare for Ensuring Confidentiality of the Electronic Records. CMES - Computer Modeling in Engineering and Sciences, 2022, 130, 1387-1422.	1.1	4
1137	Data Mining of Regional Economic Analysis Based on Mobile Sensor Network Technology. Journal of Sensors, 2022, 2022, 1-13.	1.1	2
1138	Cybersecurity, Data Privacy and Blockchain: A Review. SN Computer Science, 2022, 3, 127.	3.6	41
1140	A Novel Hybrid Deep Learning Framework for Intrusion Detection Systems in WSN-IoT Networks. Intelligent Automation and Soft Computing, 2022, 33, 365-382.	2.1	6
1141	Enhancing Detection of R2L Attacks by Multistage Clustering Based Outlier Detection. Wireless Personal Communications, 2022, 124, 2637-2659.	2.7	4
1143	A Novel Anomaly Network Intrusion Detection System for Internet of Things Security. EAI/Springer Innovations in Communication and Computing, 2022, , 129-138.	1.1	16
1144	Governance of executive personal characteristics and corporate performance based on empirical evidence based on machine learning. Journal of Ambient Intelligence and Humanized Computing, 0, , 1.	4.9	3
1145	Reinforcement Learning for feedback-enabled cyber resilience. Annual Reviews in Control, 2022, 53, 273-295.	7.9	28
1146	Predicting Network Threat Events Using HMM Ensembles. Lecture Notes in Computer Science, 2022, , 229-240.	1.3	0
1147	A Method of Intrusion Detection Based on WOA-XCBoost Algorithm. Discrete Dynamics in Nature and Society, 2022, 2022, 1-9.	0.9	8
1148	From Fluid Flow to Coupled Processes in Fractured Rock: Recent Advances and New Frontiers. Reviews of Geophysics, 2022, 60, e2021RG000744.	23.0	61
1149	From Zero-Shot Machine Learning to Zero-Day Attack Detection. SSRN Electronic Journal, 0, , .	0.4	1

#	ARTICLE	IF	CITATIONS
1150	Security and Privacy Threats for Bluetooth Low Energy in IoT and Wearable Devices: A Comprehensive Survey. IEEE Open Journal of the Communications Society, 2022, 3, 251-281.	6.9	40
1151	Machine Learning With Variational AutoEncoder for Imbalanced Datasets in Intrusion Detection. IEEE Access, 2022, 10, 15247-15260.	4.2	11
1152	Application of Computer Data Mining Technology Based on AKN Algorithm in Denial of Service Attack Defense Detection. Wireless Communications and Mobile Computing, 2022, 2022, 1-12.	1.2	1
1153	Classification and Explanation for Intrusion Detection System Based on Ensemble Trees and SHAP Method. Sensors, 2022, 22, 1154.	3.8	59
1154	Effectively predicting cyberattacks through isolation forest learning-based outlier detection. Security and Privacy, 2022, 5, .	2.7	3
1155	The role of artificial intelligence and machine learning in wireless networks security: principle, practice and challenges. Artificial Intelligence Review, 2022, 55, 5215-5261.	15.7	38
1156	Discovery of Botnet Activities in Internet-of-Things System Using Dynamic Evolutionary Mechanism. New Generation Computing, 2022, 40, 255-283.	3.3	2
1158	Salary Prediction Using Regression Techniques. SSRN Electronic Journal, 0, , .	0.4	0
1159	An Autoencoder-Enhanced Stacking Neural Network Model for Increasing the Performance of Intrusion Detection. Journal of Artificial Intelligence and Soft Computing Research, 2021, 12, 149-163.	4.3	11
1160	Detecting insider threat within institutions using CERT dataset and different ML techniques. Periodicals of Engineering and Natural Sciences, 2021, 9, 873.	0.5	4
1161	Privacy Leakage of Lorawan Smart Parking Occupancy Sensors. SSRN Electronic Journal, 0, , .	0.4	0
1162	An Efficient Intrusion Detection Framework in Software-Defined Networking for Cybersecurity Applications. Computers, Materials and Continua, 2022, 72, 3529-3548.	1.9	3
1163	IoT Intrusion Detection Using Modified Random Forest Based on Double Feature Selection Methods. Communications in Computer and Information Science, 2022, , 61-78.	0.5	0
1164	A novel crypt-intelligent cryptosystem. , 2022, , 17-27.		0
1165	Artificial Intelligence for Cybersecurity: Recent Advancements, Challenges and Opportunities. Studies in Computational Intelligence, 2022, , 73-88.	0.9	1
1166	DeepAir: Deep Reinforcement Learning for Adaptive Intrusion Response in Software-Defined Networks. IEEE Transactions on Network and Service Management, 2022, 19, 2207-2218.	4.9	8
1167	A Comparative Analysis of Network Intrusion Detection System for IoT Using Machine Learning. Lecture Notes in Electrical Engineering, 2022, , 211-221.	0.4	1
1168	Open-World Network Intrusion Detection. Lecture Notes in Computer Science, 2022, , 254-283.	1.3	4

#	ARTICLE	IF	CITATIONS
1170	The Cross-Evaluation of Machine Learning-Based Network Intrusion Detection Systems. IEEE Transactions on Network and Service Management, 2022, 19, 5152-5169.	4.9	26
1172	ExFAURL Scanner: A Framework for Malware Detection in Binary files and URLs using Machine Learning Techniques. , 2022, , .		0
1173	MidSiot: A Multistage Intrusion Detection System for Internet of Things. Wireless Communications and Mobile Computing, 2022, 2022, 1-15.	1.2	10
1174	A Lightweight Intrusion Detection Model for 5G-enabled Industrial Internet. Mobile Networks and Applications, 2022, 27, 2449-2458.	3.3	3
1175	COREM2 project: a beginning to end approach for cyber intrusion detection. Neural Computing and Applications, 2022, 34, 19565-19584.	5.6	2
1176	Computational Intelligence Approaches in Developing Cyberattack Detection System. Computational Intelligence and Neuroscience, 2022, 2022, 1-16.	1.7	2
1177	Intrusion Detection System on IoT with 5G Network Using Deep Learning. Wireless Communications and Mobile Computing, 2022, 2022, 1-13.	1.2	26
1178	Data Mining of Studentsâ€™ Physical Exercise Based on Cloud Computing. Wireless Communications and Mobile Computing, 2022, 2022, 1-11.	1.2	0
1179	Big Data Mining Method of E-Commerce Consumption Pattern Based on Mobile Platform. Security and Communication Networks, 2022, 2022, 1-12.	1.5	2
1180	<scp>Internet of things network intrusion detection model based on quantum artificial fish group and fuzzy kernel clustering algorithm. Security and Privacy, 2023, 6, .	2.7	0
1181	Investigating the practicality of adversarial evasion attacks on network intrusion detection. Annales Des Telecommunications/Annals of Telecommunications, 2022, 77, 763-775.	2.5	10
1182	Application of meta-learning in cyberspace security: a survey. Digital Communications and Networks, 2023, 9, 67-78.	5.0	12
1183	Cybersecurity Deep: Approaches, Attacks Dataset, and Comparative Study. Applied Artificial Intelligence, 2022, 36, .	3.2	8
1184	A review of machine learning approaches for drug synergy prediction in cancer. Briefings in Bioinformatics, 2022, 23, .	6.5	17
1185	A vector convolutional deep autonomous learning classifier for detection of cyber attacks. Cluster Computing, 0, , 1.	5.0	4
1186	Novel SHP-ECC Mechanism Architecture for Attack Node Mitigation and to Predict Future Community Intrusions. International Journal of Applied Engineering and Management Letters, 0, , 176-183.	0.0	1
1187	Performance Evaluation of Public Management in View of Fuzzy DEA Model. Journal of Mathematics, 2022, 2022, 1-12.	1.0	0
1188	The Development Path and Data Mining Mode of Rural Tourism under the Background of Big Data. Wireless Communications and Mobile Computing, 2022, 2022, 1-13.	1.2	5

#	ARTICLE	IF	CITATIONS
1189	The Optimal Path of College Art Teaching Based on Embedded Sensor Network. Wireless Communications and Mobile Computing, 2022, 2022, 1-12.	1.2	2
1190	Research and Application of the Data Mining Technology in Economic Intelligence System. Computational Intelligence and Neuroscience, 2022, 2022, 1-11.	1.7	2
1191	Dynamic Threat Weight of Network Security Communication Based on Multisource Data Analysis. Wireless Communications and Mobile Computing, 2022, 2022, 1-11.	1.2	1
1192	Empirical Analysis of Machine Learning Algorithms for Multiclass Prediction. Wireless Communications and Mobile Computing, 2022, 2022, 1-12.	1.2	3
1193	Application of Intelligent Archives Management Based on Data Mining in Hospital Archives Management. Journal of Electrical and Computer Engineering, 2022, 2022, 1-13.	0.9	2
1194	MGA-IDS: Optimal feature subset selection for anomaly detection framework on in-vehicle networks-CAN bus based on genetic algorithm and intrusion detection approach. Computers and Security, 2022, 118, 102717.	6.0	9
1195	Information Reconstruction of Student Management Work Based on Association Rules Mining. Computational Intelligence and Neuroscience, 2022, 2022, 1-12.	1.7	3
1196	A systematic literature review of methods and datasets for anomaly-based network intrusion detection. Computers and Security, 2022, 116, 102675.	6.0	84
1197	What Can Knowledge Bring to Machine Learning?—A Survey of Low-shot Learning for Structured Data. ACM Transactions on Intelligent Systems and Technology, 2022, 13, 1-45.	4.5	5
1198	The Stackelberg equilibrium for one-sided zero-sum partially observable stochastic games. Automatica, 2022, 140, 110231.	5.0	4
1199	Injection attack detection using machine learning for smart IoT applications. Physical Communication, 2022, 52, 101685.	2.1	34
1200	Host-based IDS: A review and open issues of an anomaly detection system in IoT. Future Generation Computer Systems, 2022, 133, 95-113.	7.5	23
1201	On IoT intrusion detection based on data augmentation for enhancing learning on unbalanced samples. Future Generation Computer Systems, 2022, 133, 213-227.	7.5	20
1203	TPE-MHA: A Malicious Traffic Detection Model Based on Time Position Encoding and Multi-head Attention. , 2021, , .		0
1204	Anomaly Traffic Detection with Verifiable Interpretation in Industrial Networks. , 2021, , .		1
1205	Intrusion Detection System (DBN-IDS) for IoT using Optimization Enabled Deep Belief Neural Network. , 2021, , .		2
1206	Automatic Control Analysis of Mechanical and Electronic Engineering Based on Machine Learning. , 2021, , .		0
1207	Anomaly Detection in Software Defined Wireless Sensor Networks Using Recurrent Neural Networks. , 2021, , .		3

#	ARTICLE	IF	CITATIONS
1208	DL-RLSTM: An Anomaly Detection Framework for High Dimensional Time Series Data. , 2021, , .		0
1209	A Network Intrusion Detection System Using Ensemble Machine Learning. , 2021, , .		6
1210	Improved Detection of Four Attacks Based on Particle Method. , 2021, , .		0
1211	Intelligent Diagnosis System of Networked Substation Equipment Based on Data Mining Algorithm. , 2021, , .		1
1212	BKIDset - A New Intrusion Detection Dataset To Mitigate The Class Imbalance Problem. , 2021, , .		0
1213	Neuromorphic computing based on an antiferromagnet-heavy metal hybrid structure under the action of laser pulses. Journal of Physics: Conference Series, 2021, 2127, 012023.	0.4	0
1214	An Real Time Cloud Security System and Issues comparison using Machine and Deep Learning. , 2021, , .		3
1215	Comparative analysis on Intrusion Detection system through ML and DL Techniques: Survey. , 2021, , .		1
1216	A Study of Machine Learning Techniques for Cybersecurity. , 2021, , .		0
1217	Multi-Layer Mapping of Cyberspace for Intrusion Detection. , 2021, , .		3
1218	CyberVTI: Cyber Visualization Tool for Intrusion Detection. , 2021, , .		1
1219	An Optimal Packet Delivery Strategy Based on Deep Reinforcement Learning in IoV. , 2021, , .		0
1220	Lightweight Hybrid Detection of Data Exfiltration using DNS based on Machine Learning. , 2021, , .		6
1221	DDoS Attack Traffic Identification Using Recurrent Neural Network. , 2021, , .		0
1222	Efficient learning of discrete graphical models*. Journal of Statistical Mechanics: Theory and Experiment, 2021, 2021, 124017.	2.3	0
1223	Machine Learning for Physical Layer in 5G and beyond Wireless Networks: A Survey. Electronics (Switzerland), 2022, 11, 121.	3.1	18
1224	Multi-hop Graph Embedding for Botnet Detection. , 2021, , .		1
1225	A Review of Recent Advances in Machine Learning Approaches for Cyber Defense. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
1226	Hunter in the Dark: Discover Anomalous Network Activity Using Deep Ensemble Network. , 2021, , .		1
1227	SamE: Sampling-based Embedding for Learning Representations of the Internet. , 2021, , .		0
1228	A Systematic Literature Review on the Cyber Security. International Journal of Scientific Research and Management, 2021, 9, 669-710.	0.1	26
1229	Research on English Text Classification and Recognition Method Based on Machine Learning Technology. , 2021, , .		0
1230	Online Fake News Detection Using Machine Learning Techniques: A Systematic Mapping Study. Studies in Computational Intelligence, 2022, , 3-37.	0.9	9
1231	Financial Management Early-Warning Mechanism Construction and Decision Analysis Research Based on Wireless Sensor Network and Data Mining. Wireless Communications and Mobile Computing, 2021, 2021, 1-13.	1.2	1
1232	PCA mix-based Hotelling's T ² multivariate control charts for intrusion detection system. IET Information Security, 2022, 16, 161-177.	1.7	3
1233	Anomaly detection of high-dimensional sparse data based on Ensemble Generative Adversarial Networks. , 2021, , .		2
1234	A Functional Model and Analysis of Next Generation Malware Attacks and Defenses. , 2021, , .		0
1235	An Overview of Explainable Artificial Intelligence for Cyber Security. Studies in Computational Intelligence, 2022, , 31-58.	0.9	3
1236	Machine Learning Techniques for Network Intrusion Detection – A Systematic Analysis. Smart Innovation, Systems and Technologies, 2022, , 271-284.	0.6	1
1238	A Machine Learning IDS for Known and Unknown Anomalies. , 2022, , .		0
1239	Enhanced Analysis Approach to Detect Phishing Attacks During COVID-19 Crisis. Cybernetics and Information Technologies, 2022, 22, 60-76.	1.1	4
1240	Detection of Diseases Using Machine Learning Image Recognition Technology in Artificial Intelligence. Computational Intelligence and Neuroscience, 2022, 2022, 1-14.	1.7	3
1241	A review of enhancing online learning using graph-based data mining techniques. Soft Computing, 0, , 1.	3.6	1
1242	Research and Challenges of Reinforcement Learning in Cyber Defense Decision-Making for Intranet Security. Algorithms, 2022, 15, 134.	2.1	2
1243	Global Economic Market Forecast and Decision System for IoT and Machine Learning. Mobile Information Systems, 2022, 2022, 1-12.	0.6	1
1244	Smart Grid Security and Privacy: From Conventional to Machine Learning Issues (Threats and) Tj ETQq1 1 0.784314,rgBT /Overlock 10 T	4.2	16

#	ARTICLE	IF	CITATIONS
1245	Smart Infrastructures: Artificial Intelligence-Enabled Lifecycle Automation. IEEE Industrial Electronics Magazine, 2023, 17, 37-47.	2.6	1
1247	A Convolutional Neural Network With Feature Selection Based Network Intrusion Detection. International Journal of Applied Evolutionary Computation, 2022, 13, 0-0.	1.0	0
1248	Research on Automated Classification Method of Network Attacking Based on Gradient Boosting Decision Tree. , 2022, , .		0
1249	A Review on Machine Learning based Security Approaches in Intrusion Detection System. , 2022, , .		9
1250	DDOS Attack Detection Using Lightweight Partial Decision Tree algorithm. , 2022, , .		6
1251	Internet Rumor Audience Response Prediction Algorithm Based on Machine Learning in Big Data Environment. Wireless Communications and Mobile Computing, 2022, 2022, 1-12.	1.2	1
1252	Artificial intelligence analysis in cyber domain: A review. International Journal of Distributed Sensor Networks, 2022, 18, 155013292210848.	2.2	13
1253	FEAR: Federated Cyber-Attack Reaction in Distributed Software-Defined Networks with Deep Q-Network. , 2022, , .		0
1254	EvadeRL: Evading PDF Malware Classifiers with Deep Reinforcement Learning. Security and Communication Networks, 2022, 2022, 1-14.	1.5	4
1255	Integration and Development of Enterprise Internal Audit and Big Data Based on Data Mining Technology. Computational Intelligence and Neuroscience, 2022, 2022, 1-12.	1.7	1
1256	Design and Implementation of Earthquake Information Publishing System Based on Mobile Computing and Machine Learning Technology in GIS. Journal of Interconnection Networks, 2022, 22, .	1.0	2
1257	Coordinated Development of Urban Intelligent Transportation Data System and Supply Chain Management. Journal of Advanced Transportation, 2022, 2022, 1-11.	1.7	3
1258	The Supply of Rural Public Cultural Services Relying on Data Mining Technology under the Rural Revitalization Strategy. Wireless Communications and Mobile Computing, 2022, 2022, 1-13.	1.2	2
1259	Applications of machine learning methods in port operations â€” A systematic literature review. Transportation Research, Part E: Logistics and Transportation Review, 2022, 161, 102722.	7.4	27
1260	Combined Network Intrusion and Phasor Data Anomaly Detection for Secure Dynamic Control Centers. Energies, 2022, 15, 3455.	3.1	3
1261	A Novel Approach of BRELU RESNET Based Cyber Attack Detection System with BAIT Based Approach for Mitigation. International Journal of Applied Engineering and Management Letters, 0, , 243-258.	0.0	0
1262	NetSentry: A deep learning approach to detecting incipient large-scale network attacks. Computer Communications, 2022, 191, 119-132.	5.1	2
1263	AI-based security protocols for IoT applications: A critical review. Recent Advances in Computer Science and Communications, 2022, 15, .	0.7	0

#	ARTICLE	IF	CITATIONS
1264	A survey on deep learning for cybersecurity: Progress, challenges, and opportunities. Computer Networks, 2022, 212, 109032.	5.1	35
1265	Using log analytics and process mining to enable self-healing in the Internet of Things. Environment Systems and Decisions, 2022, 42, 234-250.	3.4	4
1266	Intrusion Detection in Internet of Things Systems: A Review on Design Approaches Leveraging Multi-Access Edge Computing, Machine Learning, and Datasets. Sensors, 2022, 22, 3744.	3.8	23
1267	Bio-inspired Hybrid Feature Selection Model for Intrusion Detection. Computers, Materials and Continua, 2022, 73, 133-150.	1.9	5
1268	An AI-Powered Network Threat Detection System. IEEE Access, 2022, 10, 54029-54037.	4.2	6
1269	The Evolution of Federated Learning-Based Intrusion Detection and Mitigation: A Survey. IEEE Transactions on Network and Service Management, 2022, 19, 2309-2332.	4.9	11
1270	Generating Labeled Training Datasets Towards Unified Network Intrusion Detection Systems. IEEE Access, 2022, 10, 53972-53986.	4.2	3
1271	An Insider Threat Detection Model Using One-Hot Encoding and Near-Miss Under-Sampling Techniques. Algorithms for Intelligent Systems, 2022, , 183-196.	0.6	1
1272	Griffin: Real-Time Network Intrusion Detection System via Ensemble of Autoencoder in SDN. IEEE Transactions on Network and Service Management, 2022, 19, 2269-2281.	4.9	26
1273	Intrusion Detection Method Based on SMOTE Transformation for Smart Grid Cybersecurity. , 2022, , .		8
1274	College Teacher Training Resource Management System Based on Data Mining Technology. , 2022, , .		1
1275	Automobile Service Evaluation and Analysis System Based on RVM Algorithm. , 2022, , .		0
1276	Abnormal traffic detection-based on memory augmented generative adversarial IIoT-assisted network. Wireless Networks, 2022, 28, 2579-2595.	3.0	4
1277	Human-guided auto-labeling for network traffic data: The GELM approach. Neural Networks, 2022, 152, 510-526.	5.9	4
1278	Iteratively Re-Weighted method for Sparsity-Inducing Norms. IEEE Transactions on Knowledge and Data Engineering, 2022, , 1-1.	5.7	3
1279	ORaBaN: an optimized radial basis neuro framework for anomaly detection in large networks. International Journal of Information Technology (Singapore), 0, , .	2.7	1
1280	A Brief Review on Internet of Things, Industry 4.0 and Cybersecurity. Electronics (Switzerland), 2022, 11, 1742.	3.1	9
1281	An optimal feature based network intrusion detection system using bagging ensemble method for real-time traffic analysis. Multimedia Tools and Applications, 2022, 81, 41225-41247.	3.9	5

#	ARTICLE	IF	CITATIONS
1282	Machine Learning-Based Intelligent Scoring System for English Essays under the Background of Modern Information Technology. Computational Intelligence and Neuroscience, 2022, 2022, 1-10.	1.7	1
1283	Adversarial machine learning for network intrusion detection: A comparative study. Computer Networks, 2022, 214, 109073.	5.1	20
1284	Cyber Diversity Index for Sustainable Self-Control of Machines. Cybernetics and Systems, 0, , 1-27.	2.5	1
1285	The Construction and Effect Analysis of Nursing Safety Quality Management Based on Data Mining. Computational Intelligence and Neuroscience, 2022, 2022, 1-13.	1.7	0
1286	Application of Machine Learning in Enterprise Risk Management. Security and Communication Networks, 2022, 2022, 1-12.	1.5	2
1287	Protecting Deep Neural Network Intellectual Property with Architecture-Agnostic Input Obfuscation. , 2022, , .		0
1288	Bi-discriminator GAN for tabular data synthesis. Pattern Recognition Letters, 2022, 159, 204-210.	4.2	6
1291	Employing Feature Selection to Improve the Performance of Intrusion Detection Systems. Lecture Notes in Computer Science, 2022, , 93-112.	1.3	1
1292	Transfer Learning for Wireless Networks: A Comprehensive Survey. Proceedings of the IEEE, 2022, 110, 1073-1115.	21.3	28
1294	Random Forest Based on Federated Learning for Intrusion Detection. IFIP Advances in Information and Communication Technology, 2022, , 132-144.	0.7	8
1295	HDLIDP: A Hybrid Deep Learning Intrusion Detection and Prevention Framework. Computers, Materials and Continua, 2022, 73, 2293-2312.	1.9	2
1297	Procedures, Criteria, and Machine Learning Techniques for Network Traffic Classification: A Survey. IEEE Access, 2022, 10, 61135-61158.	4.2	10
1298	Benchmarking the Benchmark - Comparing Synthetic and Real-World Network Ids Datasets. SSRN Electronic Journal, 0, , .	0.4	0
1299	Big data analytics in healthcare. , 2022, , 3-11.		2
1300	CUPID: A labeled dataset with Pentesting for evaluation of network intrusion detection. Journal of Systems Architecture, 2022, 129, 102621.	4.3	7
1301	Teaching Application and Evaluation of Ideological and Political Courses Based on Multisource Data Fusion. Security and Communication Networks, 2022, 2022, 1-9.	1.5	3
1302	Data Mining Method Based on Mobile Network Communication in Volleyball Training. Mobile Information Systems, 2022, 2022, 1-15.	0.6	0
1303	CET-4 Listening Test Effect on Listening Learning Based on Machine Learning. Wireless Communications and Mobile Computing, 2022, 2022, 1-15.	1.2	0

#	ARTICLE	IF	CITATIONS
1304	Design and Evaluation of Adaptive System for Big Data Cyber Security Analytics. Expert Systems With Applications, 2022, , 117948.	7.6	2
1305	Frequency-Based Representation of Massive Alerts and Combination of Indicators by Heterogeneous Intrusion Detection Systems for Anomaly Detection. Sensors, 2022, 22, 4417.	3.8	1
1306	The Application of Machine Learning Models in Network Protocol Vulnerability Mining. Security and Communication Networks, 2022, 2022, 1-8.	1.5	2
1307	A novel flow-vector generation approach for malicious traffic detection. Journal of Parallel and Distributed Computing, 2022, 169, 72-86.	4.1	7
1308	Datasets are not enough: Challenges in labeling network traffic. Computers and Security, 2022, 120, 102810.	6.0	24
1309	Motion Attitude Prediction Algorithm Based on Data Mining and Intelligent Motion Training Model Construction. Mobile Information Systems, 2022, 2022, 1-10.	0.6	0
1310	SoK: The Impact of Unlabelled Data in Cyberthreat Detection. , 2022, , .		8
1311	Robust Network Intrusion Detection Through Explainable Artificial Intelligence (XAI). IEEE Networking Letters, 2022, 4, 167-171.	1.9	16
1312	Detecting Zero-Day Intrusion Attacks Using Semi-Supervised Machine Learning Approaches. IEEE Access, 2022, 10, 69822-69838.	4.2	12
1313	An Efficient Intrusion Detection Model Based on Convolutional Neural Network and Transformer. , 2022, , .		2
1314	Machine Learning With Avatar-Based Management of Sleptsov Net-Processor Platform to Improve Cyber Security. , 2022, , 137-148.		0
1315	A Review of Machine Learning Methods Applied for Handling Zero-Day Attacks in the Cloud Environment. , 2022, , 952-975.		0
1316	Applications of Machine Learning in Cyber Security. , 2022, , 621-641.		0
1317	A Simple and Robust Approach of Random Forest for Intrusion Detection System in Cyber Security. , 2022, , .		19
1318	Comparative Study of Misbehavior Detection System for Classifying misbehaviors on VANET. , 2022, , .		3
1319	Advanced-Level Security in Network and Real-Time Applications Using Machine Learning Approaches. , 2022, , 664-680.		2
1320	A Machine Learning Approach for Predicting Bank Customer Behavior in the Banking Industry. , 2022, , 1210-1232.		0
1321	An Effective Ensemble Automatic Feature Selection Method for Network Intrusion Detection. Information (Switzerland), 2022, 13, 314.	2.9	9

#	ARTICLE	IF	CITATIONS
1322	Analysis of electricity consumption behaviors based on principal component analysis and density peak clustering. Concurrency Computation Practice and Experience, 2022, 34, .	2.2	4
1323	Machine Learning (ML) Methods to Identify Data Breaches. Advances in Information Security, Privacy, and Ethics Book Series, 2022, , 52-64.	0.5	0
1324	The Implementation of Network Big Data on Vocational College Teacher Training Strategy. Wireless Communications and Mobile Computing, 2022, 2022, 1-13.	1.2	0
1325	Attitude Monitoring Algorithm for Volleyball Sports Training Based on Machine Learning in the Context of Artificial Intelligence. Security and Communication Networks, 2022, 2022, 1-10.	1.5	1
1326	Task-Oriented Network Abnormal Behavior Detection Method. Security and Communication Networks, 2022, 2022, 1-13.	1.5	1
1327	Intursion detection in iot networks using feature selection and svm classificastion. , 2022, , .		1
1328	Using the architecture of Socio-Technical System to analyse its vulnerability. , 2022, , .		0
1329	Spam Detection Technique Using Machine Learning With Principle Component Analysis. International Journal of Advanced Research in Science, Communication and Technology, 0, , 431-438.	0.0	0
1330	Upgrading and Optimization of Ski Tourism Resort Using Data Mining and Data Fusion. Wireless Communications and Mobile Computing, 2022, 2022, 1-12.	1.2	1
1331	Scope of machine learning applications for addressing the challenges in next-generation wireless networks. CAAI Transactions on Intelligence Technology, 2022, 7, 395-418.	8.1	23
1332	An enhanced mechanism for detection of Domain Name System-based distributed reflection denial of service attacks depending on modified metaheuristic algorithms and adaptive thresholding techniques. IET Networks, 2022, 11, 169-181.	1.8	7
1333	A Study on Two-Phase Monitoring Server for Ransomware Evaluation and Detection in IoT Environment. Journal of Trends in Computer Science and Smart Technology, 2022, 4, 72-82.	2.6	0
1334	On the relativity of time: Implications and challenges of data drift on long-term effective android malware detection. Computers and Security, 2022, 122, 102835.	6.0	6
1335	The Role of Machine Learning in Cybersecurity. Digital Threats Research and Practice, 2023, 4, 1-38.	2.4	24
1336	<scp>GRU–GBM</scp>: A combined intrusion detection model using <scp>LightGBM</scp> and gated recurrent unit. Expert Systems, 2022, 39, .	4.5	2
1337	Intrusion detection and prevention in fog based IoT environments: A systematic literature review. Computer Networks, 2022, 214, 109154.	5.1	15
1338	An Intrusion Detection Method Integrating KNN and Transfer Extreme Learning Machine. , 2022, , .		0
1339	A Novel MegaBAT Optimized Intelligent Intrusion Detection System in Wireless Sensor Networks. Intelligent Automation and Soft Computing, 2023, 35, 475-490.	2.1	3

#	ARTICLE	IF	CITATIONS
1340	PassFlow: Guessing Passwords with Generative Flows. , 2022, , .		5
1341	Network intrusion detection system: A survey on artificial intelligenceâ€based techniques. Expert Systems, 2022, 39, .	4.5	8
1342	Tackling Verification and Validation Techniques to Evaluate Cyber Situational Awareness Capabilities. Mathematics, 2022, 10, 2617.	2.2	0
1343	Privacy-preserving knowledge transfer for intrusion detection with federated deep autoencoding gaussian mixture model. Information Sciences, 2022, 609, 1204-1220.	6.9	7
1344	Implementation of Machine and Deep Learning Algorithms for Intrusion Detection System. Lecture Notes on Data Engineering and Communications Technologies, 2023, , 1-20.	0.7	1
1345	Proficient Machine Learning Techniques for a Secured Cloud Environment. International Journal of Engineering and Advanced Technology, 2022, 11, 74-81.	0.3	1
1346	Frequency Domain Feature Based Robust Malicious Traffic Detection. IEEE/ACM Transactions on Networking, 2023, 31, 452-467.	3.8	6
1347	TANTRA: Timing-Based Adversarial Network Traffic Reshaping Attack. IEEE Transactions on Information Forensics and Security, 2022, 17, 3225-3237.	6.9	9
1348	Objection!: Identifying Misclassified Malicious Activities with XAI. , 2022, , .		0
1349	An Abnormal Network Traffic Detection Method on MAWILab Dataset based on Convolutional Neural Network. , 2022, , .		3
1350	Security Assurance in Modern IoT Systems. , 2022, , .		1
1351	Model-Driven Network Monitoring Using NetFlow Applied to Threat Detection. , 2022, , .		2
1352	Automated Data Format Identification and Processing for Security Analysis. , 2022, , .		0
1353	A Novel Method of Intrusion Detection Based on Federated Transfer Learning and Convolutional Neural Network. , 2022, , .		3
1354	Anomaly detection model based on gradient boosting and decision tree for IoT environments security. Journal of Reliable Intelligent Environments, 2023, 9, 421-432.	5.2	17
1355	Wisdom Tourism Management Mode in the Background of Big Data of the Internet of Things. Mobile Information Systems, 2022, 2022, 1-12.	0.6	1
1356	Host-based Cyber Attack Pattern Identification on Honeypot Logs Using Association Rule Learning. , 2022, , .		0
1357	Intrusion Detection Method Based on Stacked Sparse Autoencoder and Sliced GRU for Connected Healthcare Systems. Arabian Journal for Science and Engineering, 0, , .	3.0	1

#	ARTICLE	IF	CITATIONS
1358	Assessment of Physical Fitness and Health Status of Athletes Based on Intelligent Medical Treatment under Machine Learning. Computational Intelligence and Neuroscience, 2022, 2022, 1-13.	1.7	3
1359	Makine Öğrenme yöntemleri ile trafik analizi. –mer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, 0, , .	0.5	0
1360	AI Makes Crypto Evolve. Applied System Innovation, 2022, 5, 75.	4.6	2
1361	Youth Sports Special Skills™ Training and Evaluation System Based on Machine Learning. Mobile Information Systems, 2022, 2022, 1-10.	0.6	0
1362	Design of Experiential Teaching System for Solfeggio in Normal Universities Based on Machine Learning Algorithm. Mobile Information Systems, 2022, 2022, 1-14.	0.6	2
1363	Development of Machine Learning-Based Ideas for Teaching Physical Education and Health. BioMed Research International, 2022, 2022, 1-11.	1.9	1
1364	DeepTLF: robust deep neural networks for heterogeneous tabular data. International Journal of Data Science and Analytics, 2023, 16, 85-100.	4.1	4
1365	Risk Assessment of Operator's Big Data Internet of Things Credit Financial Management Based on Machine Learning. Mobile Information Systems, 2022, 2022, 1-11.	0.6	2
1366	Privacy leakage of LoRaWAN smart parking occupancy sensors. Future Generation Computer Systems, 2023, 138, 142-159.	7.5	12
1367	The Collection and Utilization of Web Resources for Teaching World History Based on Data Mining Technology. Journal of Environmental and Public Health, 2022, 2022, 1-10.	0.9	2
1368	Application of Data Mining in Offensive Tactical Research of Tennis Match. Mobile Information Systems, 2022, 2022, 1-11.	0.6	1
1369	AI federated learning based improvised random Forest classifier with error reduction mechanism for skewed data sets. International Journal of Pervasive Computing and Communications, 2022, ahead-of-print, .	1.3	0
1370	Cyberattacks on connected automated vehicles: A traffic impact analysis. IET Intelligent Transport Systems, 2023, 17, 295-311.	3.0	6
1371	Development Countermeasures of Business Management Informatization Based on Machine Learning Algorithm. Mobile Information Systems, 2022, 2022, 1-11.	0.6	1
1372	Value evaluation of cultural tourism tourists' psychological expectation based on machine learning data mining. Frontiers in Psychology, 0, 13, .	2.1	1
1373	On building machine learning pipelines for Android malware detection: a procedural survey of practices, challenges and opportunities. Cybersecurity, 2022, 5, .	4.7	6
1374	Role-based lateral movement detection with unsupervised learning. Intelligent Systems With Applications, 2022, 16, 200106.	3.0	6
1375	Remora whale optimization-based hybrid deep learning for network intrusion detection using CNN features. Expert Systems With Applications, 2022, 210, 118476.	7.6	12

#	ARTICLE	IF	CITATIONS
1376	APPLICATION ANALYSIS OF DIGITAL NEURAL NETWORK-BASED DATA MINING METHOD IN MAXIMIZING THE PERFORMANCE OF SPORTS TRAINING. Revista Brasileira De Medicina Do Esporte, 0, 29, .	0.2	1
1377	Attribute Selection Based Genetic Network Programming for Intrusion Detection System. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2022, 26, 671-683.	0.9	2
1378	Explainable Artificial Intelligence for Cybersecurity. Computers and Electrical Engineering, 2022, 103, 108356.	4.8	18
1379	Toward an exhaustive review on Machine Learning for Cybersecurity. Procedia Computer Science, 2022, 203, 583-587.	2.0	5
1380	The Future Roadmap for Cyber-attack Detection. , 2022, , .		2
1381	ML vs DL: Accuracy and Testing Runtime Trade-offs in ABCI. Lecture Notes in Computer Science, 2022, , 497-511.	1.3	0
1382	Explainable Artificial Intelligence Applications in Cyber Security: State-of-the-Art in Research. IEEE Access, 2022, 10, 93104-93139.	4.2	54
1383	A Deep Learning Approach for Anomalous User-Intrusion Detection in Social Media Network System. Studies in Big Data, 2022, , 255-275.	1.1	0
1384	Abnormal Traffic Detection: Traffic Feature Extraction and DAE-GAN With Efficient Data Augmentation. IEEE Transactions on Reliability, 2023, 72, 498-510.	4.6	5
1385	In-Depth Feature Selection for the Statistical Machine Learning-Based Botnet Detection in IoT Networks. IEEE Access, 2022, 10, 94518-94535.	4.2	11
1386	Denial-of-Service (DoS) Threat Detection Using Supervised Machine Learning Algorithms on CICIDS2018 Dataset. Lecture Notes in Networks and Systems, 2022, , 519-533.	0.7	1
1387	Machine Learning-Powered Encrypted Network Traffic Analysis: A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2023, 25, 791-824.	39.4	15
1388	Effect of Balancing Data Using Synthetic Data on the Performance of Machine Learning Classifiers for Intrusion Detection in Computer Networks. IEEE Access, 2022, 10, 96731-96747.	4.2	15
1389	Firefly Algorithm and Deep Neural Network Approach for Intrusion Detection. Lecture Notes in Electrical Engineering, 2022, , 1-12.	0.4	9
1390	Behavior-Based Anomaly Detection in Log Data of Physical Access Control Systems. IEEE Transactions on Dependable and Secure Computing, 2023, 20, 3158-3175.	5.4	2
1391	Mitigating Adversarial Gray-Box Attacks Against Phishing Detectors. IEEE Transactions on Dependable and Secure Computing, 2023, 20, 3753-3769.	5.4	1
1392	Combining Long-Term Recurrent Convolutional and Graph Convolutional Networks to Detect Phishing Sites Using URL and HTML. IEEE Access, 2022, 10, 82355-82375.	4.2	12
1393	Intrusion Detection in Internet of Things With MQTT Protocol An Accurate and Interpretable Genetic-Fuzzy Rule-Based Solution. IEEE Internet of Things Journal, 2022, 9, 24843-24855.	8.7	6

#	ARTICLE	IF	CITATIONS
1394	Reduction of IoT Security Vulnerabilities Using Machine Learning Algorithm. Lecture Notes in Electrical Engineering, 2022, , 677-687.	0.4	0
1395	IDPS Signature Classification Based on Active Learning With Partial Supervision From Network Security Experts. IEEE Access, 2022, 10, 105713-105725.	4.2	1
1396	Deep Transfer Learning for Detecting Cyber Attacks. Advanced Technologies and Societal Change, 2022, , 113-124.	0.9	2
1397	NIN-DSC: A Network Traffic Anomaly Detection Method Based on Deep Learning. , 2022, , .		1
1398	Comparative Evaluation of Machine Learning Algorithms for Network Intrusion Detection and Attack Classification. , 2022, , .		4
1399	AdaBoost Algorithm in Trustworthy Network for Anomaly Intrusion Detection. Applied Mathematics and Nonlinear Sciences, 2023, 8, 1819-1830.	1.6	0
1400	A Review on Cyber Resilience Model in Small and Medium Enterprises. , 2022, , .		1
1401	Cybercrime: Identification and Prediction Using Machine Learning Techniques. Computational Intelligence and Neuroscience, 2022, 2022, 1-10.	1.7	2
1403	Dynamic Audit of Internet Finance Based on Machine Learning Algorithm. Mobile Information Systems, 2022, 2022, 1-12.	0.6	0
1404	Machine and Deep Learning for IoT Security and Privacy: Applications, Challenges, and Future Directions. Security and Communication Networks, 2022, 2022, 1-41.	1.5	9
1405	Application of Machine Learning Algorithm in Stadium Engineering Building Information Model Management System. Mobile Information Systems, 2022, 2022, 1-11.	0.6	0
1406	Anomaly Detection Using Feature Selection and Ensemble of Machine Learning Models. Lecture Notes on Data Engineering and Communications Technologies, 2023, , 215-229.	0.7	0
1407	Impact of Participatory Community Planning on Publicity in Public Space Renewal Based on Machine Learning Algorithm Based on Child-friendly Concept. International Transactions on Electrical Energy Systems, 2022, 2022, 1-11.	1.9	2
1408	An improved anomaly detection model for IoT security using decision tree and gradient boosting. Journal of Supercomputing, 2023, 79, 3392-3411.	3.6	44
1409	Practical Research on Artificial Intelligence Algorithms, Paleontology, Data Mining, and Digital Restoration of Public Information. Computational Intelligence and Neuroscience, 2022, 2022, 1-7.	1.7	1
1410	Challenges in internet of things towards the security using deep learning techniques. Measurement: Sensors, 2022, 24, 100473.	1.7	2
1411	Development Strategy of College Sports Information Management System Using Data Mining in Mobile Internet Environment. Journal of Environmental and Public Health, 2022, 2022, 1-10.	0.9	1
1412	Teaching Practice of College Studentsâ€™ Marketing Course Based on the Background of the Internet Era. International Transactions on Electrical Energy Systems, 2022, 2022, 1-10.	1.9	2

#	ARTICLE	IF	CITATIONS
1413	A Convolutional Neural Networks Model for Breast Tissue Classification. Bitlis Eren Âœniversitesi Fen Bilimleri Dergisi, 2022, 11, 798-811.	0.5	0
1414	Motion Capture Technology of Digital Animation Art Based on Machine Learning. International Transactions on Electrical Energy Systems, 2022, 2022, 1-13.	1.9	1
1415	The Application of Computer Intelligence in the Cyber-Physical Business System Integration in Network Security. Computational Intelligence and Neuroscience, 2022, 2022, 1-10.	1.7	5
1416	Network Meddling Detection Using Machine Learning Empowered with Blockchain Technology. Sensors, 2022, 22, 6755.	3.8	4
1417	Feasibility on the Integrated Teaching Method of Machine Learning Algorithm inside and outside Physical Education Class. International Transactions on Electrical Energy Systems, 2022, 2022, 1-10.	1.9	2
1418	Network Intrusion Detection System Based on an Adversarial Auto-Encoder with Few Labeled Training Samples. Journal of Network and Systems Management, 2023, 31, .	4.9	2
1420	Precise Dissemination of E-Commerce Information and Behavior of Social Media Users. Journal of Control Science and Engineering, 2022, 2022, 1-8.	1.0	1
1421	Fusion of statistical importance for feature selection in Deep Neural Network-based Intrusion Detection System. Information Fusion, 2023, 90, 353-363.	19.1	63
1422	Simulation of Flow-Induced Vibration and Dynamic Performance of Circular-Arc Helical Gear Pump under Background of Machine Learning. International Transactions on Electrical Energy Systems, 2022, 2022, 1-10.	1.9	2
1423	An Intelligent Intrusion Detection System Using a Novel Combination ofÂPCA and MLP. Studies in Computational Intelligence, 2023, , 93-104.	0.9	0
1424	Reducing Generalization Error Using Autoencoders for The Detection of Computer Worms. Computer Engineering and Applications Journal, 2020, 9, 175-182.	0.2	0
1425	Analysis of promising approaches and research on traffic flow classification for maintaining QoS by ML methods in SDN networks. , 2021, , 3-23.		1
1426	Anomaly-Based Intrusion Detection Using Machine Learning. International Journal of Information Security and Privacy, 2022, 16, 1-15.	0.8	1
1427	Improving Wireless Devices Identification Using Deep Learning Algorithm. Lecture Notes in Electrical Engineering, 2022, , 1021-1025.	0.4	0
1428	Adversarial RL-Based IDS for Evolving Data Environment in 6LoWPAN. IEEE Transactions on Information Forensics and Security, 2022, 17, 3831-3846.	6.9	5
1429	Prevention of DoS Attacks on Use-After-Free Vulnerabilities in Mosquitto. Procedia Computer Science, 2022, 207, 1763-1772.	2.0	0
1430	Efficient Physical-Layer Authentication with a Lightweight C&S Model. Lecture Notes in Electrical Engineering, 2022, , 19-24.	0.4	0
1431	Exploring Tools For Vulnerability Management. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
1432	Comparison of CNN and DNN Performance on Intrusion Detection System. , 2022, , .		4
1433	CrossTest: a cross-domain physical testbed environment for cybersecurity performance evaluations. , 2022, , .		1
1434	Comparative Study on Supervised versus Semi-supervised Machine Learning for Anomaly Detection of In-vehicle CAN Network. , 2022, , .		5
1435	Machine learning in industrial control system (ICS) security: current landscape, opportunities and challenges. Journal of Intelligent Information Systems, 2023, 60, 377-405.	3.9	12
1436	Multi-layer Perceptron for Intrusion Detection Using Simulated Annealing. Lecture Notes in Networks and Systems, 2023, , 31-45.	0.7	0
1437	Artificial Intelligence and Human Psychology in Online Transaction Fraud. Frontiers in Psychology, 0, 13, .	2.1	4
1438	Detecting the Type of Attack in Healthcare Cloud Computing System Using Termite Deep Belief Neural Network (TDBNN) for Future Smart Cities. Journal of Testing and Evaluation, 2023, 51, 1421-1437.	0.7	0
1439	Mining frequent patterns with generalized linear model for traffic density analysis. Multimedia Tools and Applications, 0, , .	3.9	0
1440	An Efficient Intrusion Detection Method Based on Federated Transfer Learning and an Extreme Learning Machine with Privacy Preservation. Security and Communication Networks, 2022, 2022, 1-13.	1.5	4
1441	On the application of active learning for efficient and effective IoT botnet detection. Future Generation Computer Systems, 2023, 141, 40-53.	7.5	3
1442	On-device context-aware misuse detection framework for heterogeneous IoT edge. Applied Intelligence, 2023, 53, 14792-14818.	5.3	1
1443	New energy industry financial technology based on machine learning to help rural revitalization. Energy Reports, 2022, 8, 13970-13978.	5.1	7
1444	Recurrent nonsymmetric deep auto encoder approach for network intrusion detection system. Measurement: Sensors, 2022, 24, 100527.	1.7	0
1445	WOGRU-IDS “ An intelligent intrusion detection system for IoT assisted Wireless Sensor Networks. Computer Communications, 2022, 196, 195-206.	5.1	17
1446	Big Data for Cybersecurity. , 2022, , 1-9.		0
1447	Federated Learning for Distributed IIoT Intrusion Detection Using Transfer Approaches. IEEE Transactions on Industrial Informatics, 2023, 19, 8159-8169.	11.3	4
1448	Explainable Intrusion Detection Systems (X-IDS): A Survey of Current Methods, Challenges, and Opportunities. IEEE Access, 2022, 10, 112392-112415.	4.2	20
1449	Tennis Motion Precision Video Monitoring Simulation Based on Artificial Intelligence Algorithm. , 2022, , .		1

#	ARTICLE	IF	CITATIONS
1451	Leveraging siamese networks for one-shot intrusion detection model. Journal of Intelligent Information Systems, 2023, 60, 407-436.	3.9	7
1452	Mobile botnet detection: a comprehensive survey. International Journal of Information Security, 2023, 22, 137-175.	3.4	2
1453	Using attack graphs to defend healthcare systems from cyberattacks: a longitudinal empirical study. Network Modeling Analysis in Health Informatics and Bioinformatics, 2022, 11, .	2.1	1
1454	Intrusion Detection Systems for the Internet of Thing: A Survey Study. Wireless Personal Communications, 2023, 128, 2753-2778.	2.7	6
1455	Design of capability maturity model integration with cybersecurity risk severity complex prediction using bayesian-based machine learning models. Service Oriented Computing and Applications, 2023, 17, 59-72.	1.6	1
1458	Priority-Based Mitigation in Education Sector using Machine Learning. Lecture Notes in Networks and Systems, 2023, , 271-278.	0.7	0
1459	Developing Cross-Domain Host-Based Intrusion Detection. Electronics (Switzerland), 2022, 11, 3631.	3.1	3
1460	Parametric design method of building structured cabling system oriented to data mining. IET Networks, 0, , .	1.8	0
1461	An Appraisal of Cyber-Attacks and Countermeasures Using Machine Learning Algorithms. Communications in Computer and Information Science, 2022, , 27-40.	0.5	3
1462	DESIGN OF EARLY WARNING SYSTEM FOR MENTAL HEALTH PROBLEMS BASED ON DATA MINING AND DATABASE. Revista Brasileira De Medicina Do Esporte, 0, 29, .	0.2	0
1463	Automated detection of cybersecurity attacks in healthcare systems with recursive feature elimination and multilayer perceptron optimization. Biocybernetics and Biomedical Engineering, 2023, 43, 30-41.	5.9	21
1464	A review of Machine Learning-based zero-day attack detection: Challenges and future directions. Computer Communications, 2023, 198, 175-185.	5.1	11
1465	Application of a Dynamic Line Graph Neural Network for Intrusion Detection With Semisupervised Learning. IEEE Transactions on Information Forensics and Security, 2023, 18, 699-714.	6.9	11
1466	Deep Reinforcement Learning for Anomaly Detection: A Systematic Review. IEEE Access, 2022, 10, 124017-124035.	4.2	9
1467	Reinforcement Learning-Based Adaptive Feature Boosting for Smart Grid Intrusion Detection. IEEE Transactions on Smart Grid, 2023, 14, 3150-3163.	9.0	2
1468	Attacker Attribution via Characteristics Inference Using Honeypot Data. Lecture Notes in Computer Science, 2022, , 155-169.	1.3	2
1469	Automation of Cybersecurity Work. , 2023, , 67-101.		0
1470	Formulating Parallel Supervised Machine Learning Designs For Anomaly-Based Network Intrusion Detection in Resource Constrained Use Cases. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
1471	Utilizing Deep Learning Techniques to Detect Zero Day Exploits in Network Traffic Flows. , 2022, , .		2
1472	A Smart and Secure IoT devices Using Machine Learning Algorithm. , 2022, , .		0
1473	Accuracy and Performance Enhancement of Machine Learning System for Ids. , 2022, , .		0
1474	Simulation Environment for Modular Automation Systems. , 2022, , .		4
1475	Evaluation of Machine Learning Techniques for Traffic Flow-Based Intrusion Detection. Sensors, 2022, 22, 9326.	3.8	7
1476	Dengesiz MI-Tabanlı Nörolojik Veri Setlerinin Sınıflandırma Performansları Karşılaştırılması. European Journal of Science and Technology, 0, , .	0.5	0
1477	A Multi-Distance Ensemble and Feature Clustering Based Feature Selection Approach for Network Intrusion Detection. , 2022, , .		3
1478	(Retracted) Mural digital image restoration technology and stitching evaluation model based on machine learning. Journal of Electronic Imaging, 2022, 32, .	0.9	1
1479	Random resampling algorithms for addressing the imbalanced dataset classes in insider threat detection. International Journal of Information Security, 2023, 22, 611-629.	3.4	2
1480	Elevator dynamic monitoring and early warning system based on machine learning algorithm. IET Networks, 0, , .	1.8	0
1481	Approaches for Detecting and Predicting Attacks Based on Deep and Reinforcement Learning to Improve Information Security. Advances in Computational Intelligence and Robotics Book Series, 2022, , 113-130.	0.4	2
1482	Intelligent Fault Diagnosis Method for Industrial Processing Equipment by ICECNN-1D. Electronics (Switzerland), 2022, 11, 4207.	3.1	1
1483	An effective intrusion detection approach based on ensemble learning for IIoT edge computing. Journal of Computer Virology and Hacking Techniques, 2023, 19, 469-481.	2.2	11
1484	Adversarial Machine Learning for Network Intrusion Detection Systems: A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2023, 25, 538-566.	39.4	38
1485	Resilience analysis of cyber-physical systems: A review of models and methods. Risk Analysis, 2023, 43, 2359-2379.	2.7	2
1486	A Survey on Machine Learning-Based Misbehavior Detection Systems for 5G and Beyond Vehicular Networks. IEEE Communications Surveys and Tutorials, 2023, 25, 1128-1172.	39.4	15
1487	Cyber Security for Detecting Distributed Denial of Service Attacks in Agriculture 4.0: Deep Learning Model. Mathematics, 2023, 11, 233.	2.2	26
1488	Data Mining in the Analysis of Tree Harvester Performance Based on Automatically Collected Data. Forests, 2023, 14, 165.	2.1	2

#	ARTICLE	IF	CITATIONS
1489	Machine Learning-based Intrusion Detection for Smart Grid Computing: A Survey. ACM Transactions on Cyber-Physical Systems, 2023, 7, 1-31.	2.5	20
1490	Random Forest Classifier Evaluation in DDoS Detection System for Cyber Defence Preparation. , 2022, , .		1
1491	Real-Time Emotion Recognition Using Deep Learning Algorithms. , 2022, , .		0
1492	Construct an Efficient DDoS Attack Detection System Based on RF-C4.5-GridSearchCV. , 2022, , .		0
1493	Critical Load Identification for Load Redistribution Attacks. , 2022, , .		0
1494	Network Traffic Classifications using Gated Recurrent Units with Weighted Cross-entropy. , 2022, , .		0
1495	Using machine learning techniques for insider threat detection. , 2023, 16, 80-95.		0
1496	Threat Modeling for Machine Learning-Based Network Intrusion Detection Systems. , 2022, , .		2
1497	Anomaly Based Intrusion Detection System Using Rule Based Genetic Algorithm. , 2023, , 769-779.		0
1498	Mutual Clustered Redundancy and Composite Learning for Intrusion Detection Systems. International Journal of E-Collaboration, 2023, 19, 1-25.	0.5	0
1499	Towards Explainable Occupational Fraud Detection. Communications in Computer and Information Science, 2023, , 79-96.	0.5	3
1500	Network Traffic Anomaly Detection Based on Generative Adversarial Network and Transformer. Lecture Notes on Data Engineering and Communications Technologies, 2023, , 228-235.	0.7	1
1501	A Network Intrusion Detection System for Building Automation and Control Systems. IEEE Access, 2023, 11, 7968-7983.	4.2	3
1502	Real-Time Link Verification in Software-Defined Networks. IEEE Transactions on Network and Service Management, 2023, 20, 3596-3611.	4.9	2
1503	Explaining Machine Learning Predictions in Botnet Detection. Lecture Notes in Computer Science, 2023, , 298-309.	1.3	0
1504	Robust unsupervised network intrusion detection with self-supervised masked context reconstruction. Computers and Security, 2023, 128, 103131.	6.0	3
1505	Feature dimensionality in CNN acceleration for high-throughput network intrusion detection. , 2022, , .		1
1506	Monitoring of College Students' Physical Fitness Test Based on Wireless Network Data Mining. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
1507	Survey on Methodology of Intrusion Detection in Industrial Control System Based on Artificial Intelligence. , 2022, , .		1
1508	EINI: A Large-scale Environment for Intelligent Network Infrastructure. , 2022, , .		0
1509	Web Prefetching based on Data Mining Technology (DMT). , 2022, , .		0
1510	Software Supply Chain Vulnerabilities Detection in Source Code: Performance Comparison between Traditional and Quantum Machine Learning Algorithms. , 2022, , .		5
1511	Detailed analysis of Machine Learning and Deep Learning technologies for Web Security. , 2022, , .		0
1512	Intrusion Detection Framework for IoT-Based Smart Environments Security. Lecture Notes in Networks and Systems, 2023, , 546-552.	0.7	4
1513	Time-stretching and genetic zooms in OutGene: Detecting Undefined Network Attacks. , 2022, , .		0
1514	PKN: A Hybrid Intrusion Detection System Installed on Fog Architecture. Lecture Notes in Networks and Systems, 2023, , 414-427.	0.7	0
1515	Two-Stage Distillation-Aware Compressed Models for Traffic Classification. IEEE Internet of Things Journal, 2023, , 1-1.	8.7	0
1516	Data Mining Techniques for Intrusion Detection on the Internet of Things Field. Lecture Notes in Networks and Systems, 2023, , 1-10.	0.7	0
1517	Heterogeneous Ensemble Feature Selection for Network Intrusion Detection System. International Journal of Computational Intelligence Systems, 2023, 16, .	2.7	2
1518	SMMO-CoFS: Synthetic Multi-minority Oversampling with Collaborative Feature Selection for Network Intrusion Detection System. International Journal of Computational Intelligence Systems, 2023, 16, .	2.7	0
1519	A gradient-based approach for adversarial attack on deep learning-based network intrusion detection systems. Applied Soft Computing Journal, 2023, 137, 110173.	7.2	5
1520	Methodologies for Predicting Cybersecurity Incidents. Indian Journal of Cryptography and Network Security, 2023, 3, 1-8.	0.9	1
1521	Detection of anomalies of a non-deterministic software-defined networking control. Computers and Security, 2023, 129, 103228.	6.0	0
1522	An Ensemble Learning Based Intrusion Detection Model for Industrial IoT Security. Big Data Mining and Analytics, 2023, 6, 273-287.	8.9	13
1523	Cloud-Based Intrusion Detection Approach Using Machine Learning Techniques. Big Data Mining and Analytics, 2023, 6, 311-320.	8.9	11
1524	Future Security Issues in Internet of Energy. , 2022, , .		2

#	ARTICLE	IF	CITATIONS
1525	BEAST: Behavior as a Service for Trust management in IoT devices. Future Generation Computer Systems, 2023, 144, 165-178.	7.5	3
1526	Density peaks clustering algorithm based on fuzzy and weighted shared neighbor for uneven density datasets. Pattern Recognition, 2023, 139, 109406.	8.1	13
1527	Advances in Adversarial Attacks and Defenses in Intrusion Detection System: A Survey. Communications in Computer and Information Science, 2022, , 196-212.	0.5	2
1528	Which algorithm can detect unknown attacks? Comparison of supervised, unsupervised and meta-learning algorithms for intrusion detection. Computers and Security, 2023, 127, 103107.	6.0	19
1529	Towards data-driven autonomous cyber defence for military unmanned vehicles - threats & attacks. , 2022, , .		2
1530	Development of a Machine-Learning Intrusion Detection System and Testing of Its Performance Using a Generative Adversarial Network. Sensors, 2023, 23, 1315.	3.8	3
1531	Is It Worth It? Comparing Six Deep and Classical Methods for Unsupervised Anomaly Detection in Time Series. Applied Sciences (Switzerland), 2023, 13, 1778.	2.5	11
1532	Human Resource Intelligent Scheduling Algorithm Based on Decision Tree Algorithm. , 2022, , .		0
1533	Usage of Classifier Ensemble for Security Enrichment in IDS. , 2022, , .		3
1534	A systematic review of integrated information theory: a perspective from artificial intelligence and the cognitive sciences. Neural Computing and Applications, 0, , .	5.6	0
1535	Cybersecurity in process control, operations, and supply chain. Computers and Chemical Engineering, 2023, 171, 108169.	3.8	15
1536	Development and Training Strategies of College Teachers Based on Data Mining Technology. Mobile Information Systems, 2023, 2023, 1-11.	0.6	1
1537	Dynamic Selfish Node Detection With Link Quality Consideration in Vehicular Networks. IEEE Transactions on Vehicular Technology, 2023, 72, 8827-8843.	6.3	1
1538	Cloud-Based Machine Learning Techniques With Intrusion Detection System. , 2022, , .		0
1539	What are the trend and core knowledge of information security? A citation and co-citation analysis. Information and Management, 2023, 60, 103774.	6.5	9
1540	An Ensemble Tree-Based Model for Intrusion Detection in Industrial Internet of Things Networks. Applied Sciences (Switzerland), 2023, 13, 2479.	2.5	16
1541	A Code Centric Evaluation of C/C++ Vulnerability Datasets for Deep Learning Based Vulnerability Detection Techniques. , 2023, , .		3
1542	An efficient network intrusion detection model for IoT security using K-NN classifier and feature selection. Multimedia Tools and Applications, 2023, 82, 23615-23633.	3.9	18

#	ARTICLE	IF	CITATIONS
1543	A DDoS Attack Detection Method Based on Natural Selection of Features and Models. Electronics (Switzerland), 2023, 12, 1059.	3.1	4
1544	Machine Learning Empowered Intelligent Data Center Networking. SpringerBriefs in Computer Science, 2023, , 15-99.	0.2	1
1545	Survey on Intrusion Detection Systems Based on Machine Learning Techniques for the Protection of Critical Infrastructure. Sensors, 2023, 23, 2415.	3.8	13
1546	Detection of Hello Flooding Attacks on RPL in Internet of Things Networks Using Different Machine Learning Algorithms. Lecture Notes in Networks and Systems, 2023, , 67-75.	0.7	1
1547	Spatial Differentiation Characteristics of Rural Areas Based on Machine Learning and GIS Statistical Analysis—A Case Study of Yongtai County, Fuzhou City. Sustainability, 2023, 15, 4367.	3.2	1
1548	A Systematic and Comprehensive Survey of Recent Advances in Intrusion Detection Systems Using Machine Learning: Deep Learning, Datasets, and Attack Taxonomy. Journal of Sensors, 2023, 2023, 1-18.	1.1	5
1549	Efficient intrusion detection using multi-player generative adversarial networks (GANs): an ensemble-based deep learning architecture. Neural Computing and Applications, 2023, 35, 12545-12563.	5.6	3
1550	Toward the internet of things forensics: A data analytics perspective. Security and Privacy, 2023, 6, .	2.7	1
1551	A Sorting-AB Approach for an Enhanced IDS in Cloud Environment. Lecture Notes in Networks and Systems, 2023, , 120-125.	0.7	0
1552	Causal effect analysis-based intrusion detection system for IoT applications. International Journal of Information Security, 2023, 22, 931-946.	3.4	2
1553	Machine Learning Anomaly-Based Network Intrusion Detection: Experimental Evaluation. Lecture Notes in Networks and Systems, 2023, , 392-403.	0.7	1
1554	Machine Learning for Smart Cities: A Survey. , 2022, , .		4
1555	Design and implementation of a decision support system for college student management based on the 5G communication system. Soft Computing, 0, , .	3.6	0
1556	Advanced Persistent Threat Identification with Boosting and Explainable AI. SN Computer Science, 2023, 4, .	3.6	3
1557	A Systematic Review on Anomaly Detection. International Journal of Advanced Research in Science, Communication and Technology, 0, , 75-82.	0.0	0
1558	Hybrid Firefly and Black Hole Algorithm Designed for XGBoost Tuning Problem: An Application for Intrusion Detection. IEEE Access, 2023, 11, 28551-28564.	4.2	1
1559	A data infrastructure for heterogeneous telemetry adaptation. Application to Netflow-based cryptojacking detection. , 2023, , .		2
1560	Membership Management in Collaborative Intrusion Detection Systems. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
1561	Cyber Security System Based on Machine Learning Using Logistic Decision Support Vector. , 0, , 64-72.		1
1562	<scp>Euler</scp> : Detecting Network Lateral Movement via Scalable Temporal Link Prediction. ACM Transactions on Privacy and Security, 2023, 26, 1-36.	3.0	9
1563	From zero-shot machine learning to zero-day attack detection. International Journal of Information Security, 2023, 22, 947-959.	3.4	5
1564	Ensemble Based Cyber Threat Analysis for Supply Chain Management. Lecture Notes in Networks and Systems, 2023, , 476-485.	0.7	0
1565	A systematic literature review for network intrusion detection system (IDS). International Journal of Information Security, 2023, 22, 1125-1162.	3.4	7
1566	Activation functions for deep learning: an application for rare attack detection in wireless local area network (WLAN). , 2023, , .		0
1567	Detecting impersonation episode using teaching learningâ€based optimization and support vector machine techniques. Expert Systems, 2023, 40, .	4.5	1
1568	Survey on Data Security with Intersection of AI and Blockchain. , 2022, , .		0
1569	Honeypot-Assisted Masquerade Detection with Character-Level Machine Learning. , 2023, , .		0
1570	A Survey of ML for the Physical Layer in 5G and Future Wireless Networks. , 2023, , .		0
1571	Development of Machine Learning Framework for the Protection of IoT Devices. , 2023, , .		1
1572	Cyber Security Intrusion Detection Using Deep Learning Approaches, Datasets, Bot-IOT Dataset. , 2023, , .		0
1573	Detection of DoS Attacks in Smart City Networks With Feature Distance Maps: A Statistical Approach. IEEE Internet of Things Journal, 2023, 10, 18853-18860.	8.7	3
1574	A Survey on SDN and SDCN Traffic Measurement: Existing Approaches and Research Challenges. Eng, 2023, 4, 1071-1115.	2.4	0
1575	A Survey on Industrial Control System Digital Forensics: Challenges, Advances and Future Directions. IEEE Communications Surveys and Tutorials, 2023, 25, 1705-1747.	39.4	3
1576	Cyber Operational Planning. , 2023, , 131-178.		0
1577	Deep learning for predictive alerting and cyber-attack mitigation. , 2023, , .		0
1578	Machine Learning and Deep Learning. Advances in Information Security, 2023, , 347-384.	1.2	0

#	ARTICLE	IF	CITATIONS
1579	Research on Cyberattack Detection of Connected Automated Vehicles Based on Support Vector Machine. , 2022, , .		0
1580	Cyber Security Using Machine Learning Techniques. , 2023, , 680-701.		0
1581	Anomaly Detection in the Course Evaluation Process. Algorithms for Intelligent Systems, 2023, , 85-102.	0.6	0
1582	Cyber Attack Detection Using Bellman Optimality Equation in Reinforcement Learning. , 2023, , 188-200.		0
1583	Enhanced Quantum-Secure Ensemble Intrusion Detection Techniques for Cloud Based on Deep Learning. Cognitive Computation, 0, , .	5.2	2
1584	AI and Blockchain for Cybersecurity in Cyber-Physical Systems: Challenges and Future Research Agenda. Advances in Information Security, 2023, , 185-213.	1.2	0
1585	A comprehensive review on deep learning algorithms: Security and privacy issues. Computers and Security, 2023, 131, 103297.	6.0	10
1586	Open Set Recognition with Dissimilarity Weight for Unknown Attack Detection. IEEE Access, 2023, , 1-1.	4.2	0
1587	AI Approaches for IoT Security Analysis. Advances in Intelligent Systems and Computing, 2021, , 47-70.	0.6	0
1588	P\$^{\wedge}\{3\}\$AD: Privacy-Preserved Payload Anomaly Detection for Industrial Internet of Things. IEEE Transactions on Network and Service Management, 2023, , 1-1.	4.9	1
1589	A Collection of Datasets and Simulation Frameworks for Industrial Control System Research. , 2023, , .		0
1590	Network Traffic Classification Based on SD Sampling and Hierarchical Ensemble Learning. Security and Communication Networks, 2023, 2023, 1-16.	1.5	2
1591	Small Files Problem Resolution via Hierarchical Clustering Algorithm. Big Data, 0, , .	3.4	1
1592	Deep Learning-Based Symptomizing Cyber Threats Using Adaptive 5G Shared Slice Security Approaches. Future Internet, 2023, 15, 193.	3.8	5
1593	Anomaly-based intrusion detection system for IoT application. Discover Internet of Things, 2023, 3, .	4.8	9
1594	Achievability Approximation of IDS Hub Using Collaborative Network Model With ML. , 2023, , .		0
1595	A Fully Streaming Big Data Framework for Cyber Security Based on Optimized Deep Learning Algorithm. IEEE Access, 2023, 11, 65675-65688.	4.2	2
1596	A systematic analysis of deep learning methods and potential attacks in internet-of-things surfaces. Neural Computing and Applications, 2023, 35, 18293-18308.	5.6	4

#	ARTICLE	IF	CITATIONS
1597	Learning About the Adversary. Advances in Information Security, 2023, , 105-132.	1.2	1
1598	A balanced communication-avoiding support vector machine decision tree method for smart intrusion detection systems. Scientific Reports, 2023, 13, .	3.3	1
1599	Cyber Defence Based on Artificial Intelligence and Neural Network Model in Cybersecurity. , 2023, , .		1
1600	Least Square Support Vector Machine based Intrusion Detection System in IoT. , 2023, , .		1
1601	Phishing Detection a Predictive Model for Cyber Security. , 2023, , .		0
1602	Enhancing IoT Device Security through Network Attack Data Analysis Using Machine Learning Algorithms. Future Internet, 2023, 15, 210.	3.8	0
1603	An efficient intrusion detection method using federated transfer learning and support vector machine with privacy-preserving. Intelligent Data Analysis, 2023, 27, 1121-1141.	0.9	1
1604	An Investigation of Machine Learning-Based IDS for Green Smart Transportation in MANET. EAI/Springer Innovations in Communication and Computing, 2023, , 59-74.	1.1	0
1605	Machine Learning-Based DDoS Attack Detection in Software-Defined Networking. Communications in Computer and Information Science, 2023, , 264-281.	0.5	0
1606	A Survey on Intrusion Detection and Prevention Systems. SN Computer Science, 2023, 4, .	3.6	0
1607	Efficient Anomaly Detection for Empowering Cyber Security by Using Adaptive Deep Learning Model. Advanced Technologies and Societal Change, 2023, , 253-270.	0.9	1
1608	Use of Machine Learning in Forensics and Computer Security. Advanced Technologies and Societal Change, 2023, , 211-236.	0.9	4
1609	Tokenized Markets Using Blockchain Technology: Exploring Recent Developments and Opportunities. Information (Switzerland), 2023, 14, 347.	2.9	1
1610	Sequential Machine Learning for Activity Sequence Prediction from Daily Work Report Data. Journal of Construction Engineering and Management - ASCE, 2023, 149, .	3.8	0
1611	Anomaly Traffic Detection Based on Communication-Efficient Federated Learning in Space-Air-Ground Integration Network. IEEE Transactions on Wireless Communications, 2023, 22, 9346-9360.	9.2	24
1612	Detection and Replay of Distributed Denial of Service Attacks In Smart Cities Using a Hybrid Deep Learning Approach. , 2023, , .		1
1613	Forecasting Oil Recovery Using Long Short Term Memory Neural Machine Learning Technique. , 2023, , .		0
1614	Blockchain and Machine Learning: A Critical Review on Security. Information (Switzerland), 2023, 14, 295.	2.9	5

#	ARTICLE	IF	CITATIONS
1615	A Review on Challenges and Future Research Directions for Machine Learning-Based Intrusion Detection System. Archives of Computational Methods in Engineering, 2023, 30, 4245-4269.	10.2	0
1616	Automated Adversary-in-the-Loop Cyber-Physical Defense Planning. ACM Transactions on Cyber-Physical Systems, 2023, 7, 1-25.	2.5	0
1617	Research on Anomaly Network Detection Based on Self-Attention Mechanism. Sensors, 2023, 23, 5059.	3.8	1
1618	Passive Operating System Fingerprinting Analysis Using Artificial Intelligence Techniques. Lecture Notes in Networks and Systems, 2023, , 178-191.	0.7	0
1619	CAS - Attention based ISO/IEC 15408â€“2 Compliant Continuous Audit System for Insider Threat Detection. , 2023, , .		0
1620	On the Resilience of Machine Learning-Based IDS for Automotive Networks. , 2023, , .		1
1621	A parallel game modelâ€“based intrusion response system for crossâ€“layer security in industrial internet of things. Concurrency Computation Practice and Experience, 0, , .	2.2	0
1622	A Survey of Public IoT Datasets for Network Security Research. IEEE Communications Surveys and Tutorials, 2023, 25, 1808-1840.	39.4	4
1623	Review of Cyberattack Implementation, Detection, and Mitigation Methods in Cyber-Physical Systems. Energies, 2023, 16, 5206.	3.1	5
1624	Machine Learning use Case for Cyber Security in Education Industry. , 2023, , .		0
1625	Hardening of the Internet of Things by using an intrusion detection system based on deep learning. Cluster Computing, 0, , .	5.0	2
1626	Machine Learning Based Predictive Model for Intrusion Detection. , 2023, , .		3
1627	An Automatic Fake News Identification System using Machine Learning Techniques. , 2023, , .		1
1628	Comparing and evaluating supervised and unsupervised machine learning techniques for IoT security. AIP Conference Proceedings, 2023, , .	0.4	0
1629	Evaluation of Machine Learning Algorithms Performance in Comparison to Cloud Privacy Legislation. , 2023, , .		0
1630	AutoReserve: A Web-Based Tool for Personal Auto Insurance Loss Reserving with Classical and Machine Learning Methods. Risks, 2023, 11, 131.	2.4	0
1631	Comparative Analysis of Intrusion Detection Systems and Machine Learning-Based Model Analysis Through Decision Tree. IEEE Access, 2023, 11, 80348-80391.	4.2	7
1632	Deep Echo State Networks for Detecting Internet Worm and Ransomware Attacks. , 2023, , .		2

#	ARTICLE	IF	CITATIONS
1633	A Survey on the Utilization of Artificial Intelligence and Machine Learning in the Field of Network Functions Virtualization and Software Defined Networking. , 2023, , .		0
1634	Unknown, Atypical and Polymorphic Network Intrusion Detection: A Systematic Survey. IEEE Transactions on Network and Service Management, 2024, 21, 1190-1212.	4.9	1
1635	Smart cities: the role of Internet of Things and machine learning in realizing a data-centric smart environment. Complex & Intelligent Systems, 2024, 10, 1607-1637.	6.5	6
1636	A Global Perspective of Cybersecurity Research: Publication Trends and Research Directions. BiliÅŸım Teknolojileri Dergisi, 2023, 16, 221-235.	0.6	1
1637	Toward Improved Machine Learning-Based Intrusion Detection for Internet of Things Traffic. Computers, 2023, 12, 148.	3.3	0
1638	Meta-survey on outlier and anomaly detection. Neurocomputing, 2023, 555, 126634.	5.9	1
1639	In Search of Distance Functions That Improve Autoencoder Performance for Intrusion Detection. , 2023, , .		0
1640	Explainable contextual anomaly detection using quantile regression forests. Data Mining and Knowledge Discovery, 2023, 37, 2517-2563.	3.7	1
1641	Survey on Explainable AI: From Approaches, Limitations and Applications Aspects. Human-centric Intelligent Systems, 2023, 3, 161-188.	3.5	5
1642	The Role of Artificial Intelligence in Cyber Security. Advances in Information Security, Privacy, and Ethics Book Series, 2023, , 1-24.	0.5	0
1643	Res-TranBiLSTM: An intelligent approach for intrusion detection in the Internet of Things. Computer Networks, 2023, 235, 109982.	5.1	8
1644	DCIDSâ€™ Distributed Container IDS. Applied Sciences (Switzerland), 2023, 13, 9301.	2.5	0
1645	An Overview on Security and Privacy Concerns in IoT-Based Smart Environments. Lecture Notes in Electrical Engineering, 2023, , 291-309.	0.4	0
1646	äºŒâ•Ÿæ™Œèƒ1/2ç®—æ³•âœ”ç1/2‘ç»œç©ºé—‘ä•Ÿ%â•Ÿ...“ä,çš„,â•Ÿ”ç””: æš€æœ—ä,žçžºçš¶ç»¼4èžº. Frontiers of Information Technology and Telecommunications, 2023, 14, 1-12.		
1647	Drone cybersecurity issues, solutions, trend insights and future perspectives: a survey. Neural Computing and Applications, 2023, 35, 23063-23101.	5.6	6
1648	Metamorphic Malware and Obfuscation: A Survey of Techniques, Variants, and Generation Kits. Security and Communication Networks, 2023, 2023, 1-41.	1.5	1
1650	Towards an efficient model for network intrusion detection system (IDS): systematic literature review. Wireless Networks, 0, , .	3.0	0
1651	Guidance Models for Designing Big Data Cyber Security Analytics Systems. Lecture Notes in Computer Science, 2023, , 70-80.	1.3	0

#	ARTICLE	IF	CITATIONS
1652	Stress Detection using RNN Algorithm. , 2023, , .		1
1653	A novel transfer extreme learning machine from multiple sources for intrusion detection. Peer-to-Peer Networking and Applications, 2024, 17, 33-47.	3.9	0
1654	SoK: Pragmatic Assessment of Machine Learning for Network Intrusion Detection. , 2023, , .		1
1655	Linear adversarial vector modeling based intrusion detection using feature subset selection and representation methods. International Journal of Systems Assurance Engineering and Management, 0, , .	2.4	0
1656	A Novel Deep Hierarchical Machine Learning Approach for Identification of Known and Unknown Multiple Security Attacks in a D2D Communications Network. IEEE Access, 2023, 11, 95161-95194.	4.2	2
1657	Towards an Intelligent Intrusion Detection System to Detect Malicious Activities in Cloud Computing. Applied Sciences (Switzerland), 2023, 13, 9588.	2.5	5
1658	Supervised Machine Learning Methods for Cyber Threat Detection Using Genetic Algorithm. Advances in Linguistics and Communication Studies, 2023, , 19-42.	0.2	0
1659	Service Classification of Network Traffic in 5G Core Networks using Machine Learning. , 2023, , .		0
1660	Offensive Artificial Intelligence: Current State of the Art and Future Directions. , 2023, , .		1
1661	A cyber risk prediction model using common vulnerabilities and exposures. Expert Systems With Applications, 2024, 237, 121599.	7.6	1
1662	RAIDS: Robust autoencoder-based intrusion detection system model against adversarial attacks. Computers and Security, 2023, 135, 103483.	6.0	2
1663	An overview of cybersecurity based on Network Security Situational Awareness and Machine learning. , 2023, , .		0
1664	Identification of Malicious Data Attacks in a Smart Grid Network Using Spectral Clustering. , 2023, , .		0
1666	Business Research and Data Mining: a Bibliometric Analysis. , 2023, , .		0
1667	Introduction to the Cyber-Security Landscape. Advances in Information Security, Privacy, and Ethics Book Series, 2023, , 1-21.	0.5	1
1668	Evaluating the Effectiveness of Tree-based Machine Learning Classifiers for Cybersecurity Threat Detection. , 2023, , .		0
1669	A novel sensitive <scp>DDoS</scp> attacks against statistical test in network traffic fusion. Transactions on Emerging Telecommunications Technologies, 2023, 34, .	3.9	1
1670	Dynamic multi-scale topological representation for enhancing network intrusion detection. Computers and Security, 2023, 135, 103516.	6.0	12

#	ARTICLE	IF	CITATIONS
1671	Flow-MAE: Leveraging Masked AutoEncoder for Accurate, Efficient and Robust Malicious Traffic Classification. , 2023, , .		0
1672	Federated Explainability for Network Anomaly Characterization. , 2023, , .		0
1673	A data infrastructure for heterogeneous telemetry adaptation: application to Netflow-based cryptojacking detection. Annales Des Telecommunications/Annals of Telecommunications, 0, , .	2.5	0
1674	NLP methods in host-based intrusion detection systems: A systematic review and future directions. Journal of Network and Computer Applications, 2023, 220, 103761.	9.1	3
1677	A Network Intrusion Detection Model Based on BiLSTM with Multi-Head Attention Mechanism. Electronics (Switzerland), 2023, 12, 4170.	3.1	1
1678	Robust genetic machine learning ensemble model for intrusion detection in network traffic. Scientific Reports, 2023, 13, .	3.3	0
1679	Enhancing Intrusion Detection with LSTM Recurrent Neural Network Optimized by Emperor Penguin Algorithm. Wasit Journal of Computer and Mathematics Science, 2023, 2, 69-80.	0.9	1
1680	Application of Artificial Intelligence and Machine Learning in Software Defined Networks. , 2023, 1, 14-22.		0
1681	An Intrusion Detection Model using election-Based Feature Selection and K-NN. Microprocessors and Microsystems, 2023, , 104966.	2.8	4
1682	IoT network traffic classification: a deep learning method with Fourier transform-assisted hyperparameter optimization. Frontiers in Physics, 0, 11, .	2.1	0
1683	A Hybrid Learning-Based Network Model for Security Establishment in IoT Environment. , 2023, , .		0
1684	A CNN-Based SIA Screenshot Method to Visually Identify Phishing Websites. Journal of Network and Systems Management, 2024, 32, .	4.9	1
1685	Evaluating Feature Relevance XAI inÂNetwork Intrusion Detection. Communications in Computer and Information Science, 2023, , 483-497.	0.5	0
1686	Lightweight Malicious Packet Classifier for IoT Networks. Lecture Notes in Electrical Engineering, 2024, , 139-150.	0.4	0
1687	eMinD: Efficient and Micro-Flow Independent Detection of Distributed Network Attacks. , 2023, , .		0
1688	Artificial Intelligence and Machine Learning for Cybersecurity Applications and Challenges. Advances in Information Security, Privacy, and Ethics Book Series, 2023, , 109-146.	0.5	0
1689	A Survey of Data Mining and Machine Learning-Based Intrusion Detection System for Cyber Security. Advances in Information Security, Privacy, and Ethics Book Series, 2023, , 52-74.	0.5	0
1690	Vulnerability Assessment in Contemporary Computing. Advances in Information Security, Privacy, and Ethics Book Series, 2023, , 403-430.	0.5	0

#	ARTICLE	IF	CITATIONS
1692	AI Makes Crypto Evolve. , 2023, , 43-71.		0
1693	Impact of artificial intelligence on employees performance in information technology sector. AIP Conference Proceedings, 2023, , .	0.4	0
1694	Consolidating Packet-Level Features for Effective Network Intrusion Detection: A Novel Session-Level Approach. IEEE Access, 2023, 11, 132792-132810.	4.2	0
1695	On the Investigation of Phase Fault Classification in Power Grid Signals: A Case Study for Support Vector Machines, Decision Tree and Random Forest. , 2023, , .		0
1696	Point Cloud Analysis for ML-Based Malicious Traffic Detection: Reducing Majorities of False Positive Alarms. , 2023, , .		0
1697	Comprehensive Study on Smart Solar Grid with Embedded System and IoT Technology. , 2023, , .		0
1698	Optimizing LightGBM for Intrusion Detection Systems using GOA. , 2023, , .		0
1699	Predict Network Intruder Using Machine Learning Model and Classification. , 2023, , 150-171.		0
1700	Malicious Encrypted Network Traffic Detection Using Deep Auto-Encoder with a Custom Reconstruction Loss. , 2023, , .		1
1701	Measuring Throughput and Latency of Machine Learning Techniques for Intrusion Detection. Advances in Computational Intelligence and Robotics Book Series, 2023, , 27-49.	0.4	0
1702	Numerical Embedding of Categorical Features in Tabular Data: A Survey. , 2023, , .		0
1704	Anomaly detection in IOT edge computing using deep learning and instance-level horizontal reduction. Journal of Supercomputing, 0, , .	3.6	0
1705	A Robust Network Intrusion Detection System Using Random Forest Based Random Subspace Ensemble to Defend Against Adversarial Attacks. Advances in Electrical and Computer Engineering, 2023, 23, 81-88.	0.9	0
1706	Data-driven modeling for forecasting oil recovery: A timeseries neural network approach for tertiary CO2 WAG EOR. , 2024, 233, 212555.		0
1707	Malicious URL Analysis Using a Suite of Machine Learning Techniques. , 2023, , .		0
1708	A comprehensive knowledge map for AI improving security management of cyber-physical system enabled smart manufacturing. Computers and Security, 2024, 137, 103650.	6.0	0
1709	A Multi-layer Hopfield Neural Network for Semi-Supervised Anomaly Detection. Journal of Digital Contents Society, 2023, 24, 2893-2900.	0.4	0
1710	FSS-PART: Feature Grouping Subset Model for Predicting Network Attacks. SN Computer Science, 2024, 5, .	3.6	0

#	ARTICLE	IF	CITATIONS
1711	Malicious Social Bots Detection in the Twitter Network Using Learning Automata with URL Features. Lecture Notes in Electrical Engineering, 2024, , 561-572.	0.4	0
1712	Fuzzy-enhanced adaptive multi-layered cloud security framework leveraging artificial intelligence, quantum-resistant cryptography, and fuzzy systems for robust protection. Journal of Intelligent and Fuzzy Systems, 2023, , 1-10.	1.4	0
1714	Analyzing Managerial and Technological Barriers to the Adoption of Industry 4.0: An â€œISMâ€™ and â€œMICMACâ€™ Approach. IEEE Transactions on Engineering Management, 2023, , 1-14.	3.5	0
1715	ILIDViz: An Incremental Learning-Based Visual Analysis System for Network Anomaly Detection. Virtual Reality & Intelligent Hardware, 2023, 5, 471-489.	3.2	0
1716	Neurosymbolic AI in Cybersecurity: Bridging Pattern Recognition and Symbolic Reasoning. , 2023, , .		0
1717	FL-SERENADE: Federated Learning for SEmi-supeRvisEd Network Anomaly DEtection. A Case Study. , 2023, , .		0
1718	Enhancing Network Intrusion Detection Using an Ensemble Voting Classifier for Internet of Things. Sensors, 2024, 24, 127.	3.8	1
1719	Security and Privacy. Law, Governance and Technology Series, 2024, , 81-101.	0.4	0
1720	A Holistic Framework for AI-Driven Cyber Risk Management in Iot Ecosystems. SSRN Electronic Journal, 0, , .	0.4	0
1721	Packet-Level Intrusion Detection Using LSTM Focusing on Personal Information and Payloads. , 2023, , .		0
1722	Enhancing Detection of Malicious Traffic through FPGA-based Frequency Transformation and Machine Learning. IEEE Access, 2023, , 1-1.	4.2	0
1723	A New Software Defined Networks (SDN) in IoTs Based Deep Learning Techniques. Aulum MÃ¼hendislik Sistemleri Ve Mimarlık Dergisi, 2023, 7, 165-185.	0.3	0
1724	Attack Detection Mechanisms for Internet of Everything (IoE) Networks. Internet of Things, 2024, , 41-55.	1.7	0
1725	Zero-Trust Marine Cyberdefense for IoT-Based Communications: An Explainable Approach. Electronics (Switzerland), 2024, 13, 276.	3.1	0
1726	Benchmarking the benchmark â€” Comparing synthetic and real-world Network IDS datasets. Journal of Information Security and Applications, 2024, 80, 103689.	2.5	0
1727	Delving Into the Security & Privacy of the Metaverse Matrix. , 2023, , .		0
1728	Efficient Deep Learning-Based Cyber-Attack Detection for Internet of Medical Things Devices. , 0, , .		0
1729	Security in IOT using machine learning methods. AIP Conference Proceedings, 2024, , .	0.4	0

#	ARTICLE	IF	CITATIONS
1731	Revolutionizing Malware Detection. Advances in Medical Technologies and Clinical Practice Book Series, 2024, , 196-220.	0.3	0
1732	Comparative Evaluation of VAEs, VAE-GANs and AAEs for Anomaly Detection in Network Intrusion Data. Emitter: International Journal of Engineering Technology, 2023, 11, 160-173.	0.7	0
1733	A Review on Cyber-Physical-Social Systems. , 2023, , .		0
1734	A Comprehensive Survey: Evaluating the Efficiency of Artificial Intelligence and Machine Learning Techniques on Cyber Security Solutions. IEEE Access, 2024, 12, 12229-12256.	4.2	0
1735	Distributed Continual Intrusion Detection: A Collaborative Replay Framework. , 2023, , .		0
1736	A Modular Approach to Automatic Cyber Threat Attribution using Opinion Pools. , 2023, , .		0
1737	Machine Learning–Based Security Alert Screening with Focal Loss. , 2023, , .		0
1738	CLEAM: GAN and LLM for Evasive Adversarial Malware. , 2023, , .		0
1739	A Survey on Machine Learning Techniques for Detecting, Mitigating, and Preventing Intrusions. , 2023, , .		0
1740	Enhancing IoT Security Through AI-Based Anomaly Detection and Intrusion Prevention. , 2023, , .		0
1741	A novel data-driven integrated detection method for network intrusion classification based on multi-feature imbalanced data. Journal of Intelligent and Fuzzy Systems, 2024, 46, 5893-5910.	1.4	2
1742	Application of Artificial Intelligence in Cybersecurity. Advances in Information Security, Privacy, and Ethics Book Series, 2024, , 127-146.	0.5	0
1743	Analyzing threat flow over network using ensemble-based dense network model. Soft Computing, 2024, 28, 4171-4184.	3.6	0
1744	Cloud Network Traffic Classification and Intrusion Detection System Using Deep Learning. , 2023, , .		0
1745	Improving Intrusion Detection Using Machine Learning Algorithms with Feature Selection based on Information Gain. , 2023, , .		0
1746	A Holistic Framework for AI-Driven Cyber Risk Management in IoT Ecosystems. International Journal of Artificial Intelligence and Machine Learning, 2024, 4, 80-93.	0.2	0
1747	Machine learning and deep learning for user authentication and authorization in cybersecurity: A state-of-the-art review. Computers and Security, 2024, 140, 103747.	6.0	0
1748	E-XAI: Evaluating Black-Box Explainable AI Frameworks for Network Intrusion Detection. IEEE Access, 2024, 12, 23954-23988.	4.2	0

#	ARTICLE	IF	CITATIONS
1749	Enhancing Network Anomaly Detection with Optimized One-Class SVM (OCSVM). , 2023, , .		0
1750	Artificial Cognitive Intelligence and Information Technology in Cybersecurity. Lecture Notes in Networks and Systems, 2024, , 347-354.	0.7	0
1751	Intrusion Detection System. Journal of Database Management, 2024, 35, 1-25.	1.5	0
1752	A Systematic Survey of Machine Learning and Deep Learning Models Used in Industrial Internet of Things Security. MANAS: Journal of Engineering, 0, , .	0.8	0
1753	Deep Learning Model for Intrusion Detection in SDN Networks. , 2023, , .		0
1754	Securing IoT Networks Using Machine Learning, Deep Learning Solutions: A Review. Lecture Notes in Electrical Engineering, 2024, , 353-363.	0.4	0
1755	A Survey on Eliminating Botnet and Intrusion Attacks Through Machine Learning. , 2023, , .		0
1756	Heterogeneous data format integration and conversion (HDFIC) using machine learning and IBM-DFDL for IoT. Evolving Systems, 2024, 15, 375-396.	3.9	0
1757	A Comprehensive Investigation Into the Implementation of Machine Learning Solutions for Network Traffic Classification. , 2023, , .		0
1758	Modified genetic algorithm and fine-tuned long short-term memory network for intrusion detection in the internet of things networks with edge capabilities. Applied Soft Computing Journal, 2024, 155, 111434.	7.2	0
1759	Fundamental Components and Principles of Supervised Machine Learning Workflows with Numerical and Categorical Data. Eng, 2024, 5, 384-416.	2.4	0
1760	Concept Driftâ€‘Based Intrusion Detection For Evolving Data Stream Classification In IDS: Approaches And Comparative Study. Computer Journal, 0, , .	2.4	0
1761	Detecting malicious proxy nodes during IoT network joining phase. Computer Networks, 2024, 243, 110308.	5.1	0
1763	Analysis of Intrusion Detection Systems: Techniques, Datasets and Research Opportunity. SSRN Electronic Journal, 0, , .	0.4	0
1764	Securing cloud-enabled smart cities by detecting intrusion using spark-based stacking ensemble of machine learning algorithms. Electronic Research Archive, 2024, 32, 1268-1307.	0.9	0
1765	Intrusion Detection Systems Using Machine Learning. Advances in Information Security, 2024, , 75-98.	1.2	0
1766	Automatic Speckle Noise Reduction in SAR Imagery Using Optimized Kernel Support Vector Machine. International Journal of Computational Intelligence and Applications, 0, , .	0.8	0
1767	A collective AI via lifelong learning and sharing at the edge. Nature Machine Intelligence, 2024, 6, 251-264.	16.0	0

#	ARTICLE	IF	CITATIONS
1768	ChatGPT or Bard: Who is a better Certified Ethical Hacker?. Computers and Security, 2024, 140, 103804.	6.0	0
1769	Accuracy Enhancement for Intrusion Detection Systems Using LSTM Approach. Lecture Notes in Networks and Systems, 2024, , 499-514.	0.7	0
1770	Towards unbalanced multiclass intrusion detection with hybrid sampling methods and ensemble classification. Applied Soft Computing Journal, 2024, 157, 111517.	7.2	0
1771	Cybersecurity vulnerability and resilience of cooperative driving automation for energy efficiency and flow stability in smart cities. Sustainable Cities and Society, 2024, 106, 105368.	10.4	0
1772	An Overview of Machine Learning Algorithms on Microgrids. Advances in Computational Intelligence and Robotics Book Series, 2024, , 154-180.	0.4	0
1774	A survey on graph neural networks for intrusion detection systems: Methods, trends and challenges. Computers and Security, 2024, 141, 103821.	6.0	0
1775	Hybrid physics-machine learning models for predicting rate of penetration in the Halahatang oil field, Tarim Basin. Scientific Reports, 2024, 14, .	3.3	0