Kim-Kwang Raymond Choo

List of Publications by Year
in descending order

890 papers	35,470 citations	3149 92 h-index	9839 141 g-index
925 all docs	925 docs citations	925 times ranked	18722 citing authors

#	Article	IF	Citations
1	Blockchain: A Panacea for Healthcare Cloud-Based Data Security and Privacy?. IEEE Cloud Computing, 2018, 5, 31-37.	5.3	601
2	Blockchain in healthcare applications: Research challenges and opportunities. Journal of Network and Computer Applications, 2019, 135, 62-75.	5.8	543
3	A blockchain future for internet of things security: a position paper. Digital Communications and Networks, 2018, 4, 149-160.	2.7	394
4	A systematic literature review of blockchain cyber security. Digital Communications and Networks, 2020, 6, 147-156.	2.7	373
5	Blockchain based searchable encryption for electronic health record sharing. Future Generation Computer Systems, 2019, 95, 420-429.	4.9	337
6	The cyber threat landscape: Challenges and future research directions. Computers and Security, 2011, 30, 719-731.	4.0	329
7	An Ensemble Intrusion Detection Technique Based on Proposed Statistical Flow Features for Protecting Network Traffic of Internet of Things. IEEE Internet of Things Journal, 2019, 6, 4815-4830.	5.5	320
8	BSeIn: A blockchain-based secure mutual authentication with fine-grained access control system for industry 4.0. Journal of Network and Computer Applications, 2018, 116, 42-52.	5.8	313
9	A deep Recurrent Neural Network based approach for Internet of Things malware threat hunting. Future Generation Computer Systems, 2018, 85, 88-96.	4.9	302
10	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.	3.2	285
11	A three-factor anonymous authentication scheme for wireless sensor networks in internet of things environments. Journal of Network and Computer Applications, 2018, 103, 194-204.	5.8	266
12	Vehicular Fog Computing: Architecture, Use Case, and Security and Forensic Challenges. , 2017, 55, 105-111.		263
13	Security and Privacy for the Internet of Drones: Challenges and Solutions. IEEE Communications Magazine, 2018, 56, 64-69.	4.9	262
14	Robust Malware Detection for Internet of (Battlefield) Things Devices Using Deep Eigenspace Learning. IEEE Transactions on Sustainable Computing, 2019, 4, 88-95.	2.2	252
15	Blockchain for smart communities: Applications, challenges and opportunities. Journal of Network and Computer Applications, 2019, 144, 13-48.	5.8	249
16	Distributed denial of service (DDoS) resilience in cloud: Review and conceptual cloud DDoS mitigation framework. Journal of Network and Computer Applications, 2016, 67, 147-165.	5.8	248
17	From Cloud to Fog Computing: A Review and a Conceptual Live VM Migration Framework. IEEE Access, 2017, 5, 8284-8300.	2.6	248
18	Blockchain Applications for Industry 4.0 and Industrial IoT: A Review. IEEE Access, 2019, 7, 176935-176951.	2.6	246

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19	Machine learning aided Android malware classification. Computers and Electrical Engineering, 2017, 61, 266-274.	3.0	245
20	Anonymous mutual authentication and key agreement scheme for wearable sensors in wireless body area networks. Computer Networks, 2017, 129, 429-443.	3.2	244
21	Applications of blockchain in ensuring the security and privacy of electronic health record systems: A survey. Computers and Security, 2020, 97, 101966.	4.0	231
22	Ensemble-based multi-filter feature selection method for DDoS detection in cloud computing. Eurasip Journal on Wireless Communications and Networking, 2016, 2016, .	1.5	230
23	A Deep and Scalable Unsupervised Machine Learning System for Cyber-Attack Detection in Large-Scale Smart Grids. IEEE Access, 2019, 7, 80778-80788.	2.6	224
24	Controllable and trustworthy blockchain-based cloud data management. Future Generation Computer Systems, 2019, 91, 527-535.	4.9	222
25	BEST: Blockchain-based secure energy trading in SDN-enabled intelligent transportation system. Computers and Security, 2019, 85, 288-299.	4.0	207
26	Cloud of Things in Smart Agriculture: Intelligent Irrigation Monitoring by Thermal Imaging. IEEE Cloud Computing, 2017, 4, 10-15.	5.3	206
27	Consumer IoT: Security Vulnerability Case Studies and Solutions. IEEE Consumer Electronics Magazine, 2020, 9, 17-25.	2.3	206
28	An integrated conceptual digital forensic framework for cloud computing. Digital Investigation, 2012, 9, 71-80.	3.2	205
29	On cloud security attacks: A taxonomy and intrusion detection and prevention as a service. Journal of Network and Computer Applications, 2016, 74, 98-120.	5.8	202
30	A Deep Blockchain Framework-Enabled Collaborative Intrusion Detection for Protecting IoT and Cloud Networks. IEEE Internet of Things Journal, 2021, 8, 9463-9472.	5.5	201
31	SVM or deep learning? A comparative study on remote sensing image classification. Soft Computing, 2017, 21, 7053-7065.	2.1	190
32	Certificateless Searchable Public Key Encryption Scheme for Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2018, 14, 759-767.	7.2	190
33	Detecting crypto-ransomware in IoT networks based on energy consumption footprint. Journal of Ambient Intelligence and Humanized Computing, 2018, 9, 1141-1152.	3.3	190
34	An Efficient Privacy-Preserving Outsourced Calculation Toolkit With Multiple Keys. IEEE Transactions on Information Forensics and Security, 2016, 11, 2401-2414.	4.5	186
35	Impacts of increasing volume of digital forensic data: A survey and future research challenges. Digital Investigation, 2014, 11, 273-294.	3.2	180
36	Blockchain-Based Anonymous Authentication With Key Management for Smart Grid Edge Computing Infrastructure. IEEE Transactions on Industrial Informatics, 2020, 16, 1984-1992.	7.2	177

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37	Sidechain technologies in blockchain networks: An examination and state-of-the-art review. Journal of Network and Computer Applications, 2020, 149, 102471.	5.8	177
38	An Energy-Efficient SDN Controller Architecture for IoT Networks With Blockchain-Based Security. IEEE Transactions on Services Computing, 2020, 13, 625-638.	3.2	168
39	Privacy-Preserving-Outsourced Association Rule Mining on Vertically Partitioned Databases. IEEE Transactions on Information Forensics and Security, 2016, 11, 1847-1861.	4.5	165
40	Fuzzy Identity-Based Data Integrity Auditing for Reliable Cloud Storage Systems. IEEE Transactions on Dependable and Secure Computing, 2019, 16, 72-83.	3.7	165
41	Unified Biometric Privacy Preserving Three-Factor Authentication and Key Agreement for Cloud-Assisted Autonomous Vehicles. IEEE Transactions on Vehicular Technology, 2020, 69, 9390-9401.	3.9	160
42	A Robust and Energy Efficient Authentication Protocol for Industrial Internet of Things. IEEE Internet of Things Journal, 2018, 5, 1606-1615.	5.5	158
43	Imaging and fusing time series for wearable sensor-based human activity recognition. Information Fusion, 2020, 53, 80-87.	11.7	158
44	Multi-dimensional data indexing and range query processing via Voronoi diagram for internet of things. Future Generation Computer Systems, 2019, 91, 382-391.	4.9	157
45	Multimedia big data computing and Internet of Things applications: A taxonomy and process model. Journal of Network and Computer Applications, 2018, 124, 169-195.	5.8	156
46	Copy-move forgery detection: Survey, challenges and future directions. Journal of Network and Computer Applications, 2016, 75, 259-278.	5.8	155
47	Authenticated key agreement scheme for fog-driven IoT healthcare system. Wireless Networks, 2019, 25, 4737-4750.	2.0	154
48	Adaptive Fusion and Category-Level Dictionary Learning Model for Multiview Human Action Recognition. IEEE Internet of Things Journal, 2019, 6, 9280-9293.	5.5	154
49	Dropbox analysis: Data remnants on user machines. Digital Investigation, 2013, 10, 3-18.	3.2	147
50	Blockchain-based identity management systems: A review. Journal of Network and Computer Applications, 2020, 166, 102731.	5.8	147
51	A survey of information security incident handling in the cloud. Computers and Security, 2015, 49, 45-69.	4.0	145
52	Design of Secure and Lightweight Authentication Protocol for Wearable Devices Environment. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 1310-1322.	3.9	145
53	Cryptographic Solutions for Industrial Internet-of-Things: Research Challenges and Opportunities. IEEE Transactions on Industrial Informatics, 2018, 14, 3567-3569.	7.2	143
54	A Flexible SDN-Based Architecture for Identifying and Mitigating Low-Rate DDoS Attacks Using Machine Learning. IEEE Access, 2020, 8, 155859-155872.	2.6	143

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55	Fair Resource Allocation in an Intrusion-Detection System for Edge Computing: Ensuring the Security of Internet of Things Devices. IEEE Consumer Electronics Magazine, 2018, 7, 45-50.	2.3	142
56	Forensic-by-Design Framework for Cyber-Physical Cloud Systems. IEEE Cloud Computing, 2016, 3, 50-59.	5.3	141
57	An efficient authentication and key agreement scheme for multi-gateway wireless sensor networks in IoT deployment. Journal of Network and Computer Applications, 2017, 89, 72-85.	5.8	141
58	Blockchain smart contracts formalization: Approaches and challenges to address vulnerabilities. Computers and Security, 2020, 88, 101654.	4.0	138
59	Decentralized Authentication of Distributed Patients in Hospital Networks Using Blockchain. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 2146-2156.	3.9	137
60	Cloud storage forensics: ownCloud as a case study. Digital Investigation, 2013, 10, 287-299.	3.2	135
61	Google Drive: Forensic analysis of data remnants. Journal of Network and Computer Applications, 2014, 40, 179-193.	5.8	133
62	An Efficient and Provably Secure Authenticated Key Agreement Protocol for Fog-Based Vehicular Ad-Hoc Networks. IEEE Internet of Things Journal, 2019, 6, 8065-8075.	5.5	132
63	SDTE: A Secure Blockchain-Based Data Trading Ecosystem. IEEE Transactions on Information Forensics and Security, 2020, 15, 725-737.	4.5	131
64	Detecting Internet of Things attacks using distributed deep learning. Journal of Network and Computer Applications, 2020, 163, 102662.	5.8	131
65	Efficient and Privacy-Preserving Outsourced Calculation of Rational Numbers. IEEE Transactions on Dependable and Secure Computing, 2018, 15, 27-39.	3.7	129
66	Privacy-Preserving Content-Oriented Wireless Communication in Internet-of-Things. IEEE Internet of Things Journal, 2018, 5, 3059-3067.	5.5	128
67	Privacy concerns and benefits of engagement with social media-enabled apps: A privacy calculus perspective. Computers in Human Behavior, 2020, 107, 106260.	5.1	126
68	Design of a provably secure biometrics-based multi-cloud-server authentication scheme. Future Generation Computer Systems, 2017, 68, 320-330.	4.9	125
69	A Provably Secure and Efficient Identity-Based Anonymous Authentication Scheme for Mobile Edge Computing. IEEE Systems Journal, 2020, 14, 560-571.	2.9	125
70	HomeChain: A Blockchain-Based Secure Mutual Authentication System for Smart Homes. IEEE Internet of Things Journal, 2020, 7, 818-829.	5.5	124
71	A model for sentiment and emotion analysis of unstructured social media text. Electronic Commerce Research, 2018, 18, 181-199.	3.0	122
72	Spectral–spatial multi-feature-based deep learning for hyperspectral remote sensing image classification. Soft Computing, 2017, 21, 213-221.	2.1	120

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73	A Deep CNN Ensemble Framework for Efficient DDoS Attack Detection in Software Defined Networks. IEEE Access, 2020, 8, 53972-53983.	2.6	119
74	Secure Key Agreement and Key Protection for Mobile Device User Authentication. IEEE Transactions on Information Forensics and Security, 2019, 14, 319-330.	4.5	116
75	Digital droplets: Microsoft SkyDrive forensic data remnants. Future Generation Computer Systems, 2013, 29, 1378-1394.	4.9	114
76	An Ensemble of Deep Recurrent Neural Networks for Detecting IoT Cyber Attacks Using Network Traffic. IEEE Internet of Things Journal, 2020, 7, 8852-8859.	5.5	113
77	Deep Learning-Based Intrusion Detection for Distributed Denial of Service Attack in Agriculture 4.0. Electronics (Switzerland), 2021, 10, 1257.	1.8	110
78	Distributed host-based collaborative detection for false data injection attacks in smart grid cyber-physical system. Journal of Parallel and Distributed Computing, 2017, 103, 32-41.	2.7	109
79	Privacy-Preserving Attribute-Based Keyword Search in Shared Multi-owner Setting. IEEE Transactions on Dependable and Secure Computing, 2021, 18, 1080-1094.	3.7	108
80	Challenges of Connecting Edge and Cloud Computing: A Security and Forensic Perspective. IEEE Cloud Computing, 2017, 4, 13-17.	5.3	107
81	Big forensic data reduction: digital forensic images and electronic evidence. Cluster Computing, 2016, 19, 723-740.	3.5	106
82	Internet of Things (IoT). ACM Transactions on Internet Technology, 2016, 16, 1-7.	3.0	105
83	Fog data analytics: A taxonomy and process model. Journal of Network and Computer Applications, 2019, 128, 90-104.	5.8	105
84	A Privacy-Preserving-Framework-Based Blockchain and Deep Learning for Protecting Smart Power Networks. IEEE Transactions on Industrial Informatics, 2020, 16, 5110-5118.	7.2	104
85	A Provably-Secure Cross-Domain Handshake Scheme with Symptoms-Matching for Mobile Healthcare Social Network. IEEE Transactions on Dependable and Secure Computing, 2018, 15, 633-645.	3.7	103
86	Forensic collection of cloud storage data: Does the act of collection result in changes to the data or its metadata?. Digital Investigation, 2013, 10, 266-277.	3.2	102
87	User profiling in intrusion detection: A review. Journal of Network and Computer Applications, 2016, 72, 14-27.	5.8	102
88	A robust biometrics based three-factor authentication scheme for Global Mobility Networks in smart city. Future Generation Computer Systems, 2018, 83, 607-618.	4.9	102
89	DRTHIS: Deep ransomware threat hunting and intelligence system at the fog layer. Future Generation Computer Systems, 2019, 90, 94-104.	4.9	102
90	Searchable Symmetric Encryption. ACM Computing Surveys, 2018, 50, 1-37.	16.1	99

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91	A novel fuzzy gaussian-based dissimilarity measure for discovering similarity temporal association patterns. Soft Computing, 2018, 22, 1903-1919.	2.1	99
92	BCPPA: A Blockchain-Based Conditional Privacy-Preserving Authentication Protocol for Vehicular Ad Hoc Networks. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 7408-7420.	4.7	99
93	Ethereum smart contract security research: survey and future research opportunities. Frontiers of Computer Science, 2021, 15, 1.	1.6	98
94	A Provably Secure and Lightweight Anonymous User Authenticated Session Key Exchange Scheme for Internet of Things Deployment. IEEE Internet of Things Journal, 2019, 6, 8739-8752.	5.5	97
95	Certificateless-Signcryption-Based Three-Factor User Access Control Scheme for IoT Environment. IEEE Internet of Things Journal, 2020, 7, 3184-3197.	5.5	96
96	Blockchain-Based Cross-Domain Authentication for Intelligent 5G-Enabled Internet of Drones. IEEE Internet of Things Journal, 2022, 9, 6224-6238.	5.5	95
97	IoT Forensics: Amazon Echo as a Use Case. IEEE Internet of Things Journal, 2019, 6, 6487-6497.	5.5	94
98	A Survey of Blockchain Applications in the Energy Sector. IEEE Systems Journal, 2021, 15, 3370-3381.	2.9	93
99	Efficient and secure identity-based encryption scheme with equality test in cloud computing. Future Generation Computer Systems, 2017, 73, 22-31.	4.9	92
100	Always connected, but are smart mobile users getting more security savvy? A survey of smart mobile device users. Behaviour and Information Technology, 2014, 33, 1347-1360.	2.5	91
101	Cloud Manufacturing: Security, Privacy, and Forensic Concerns. IEEE Cloud Computing, 2016, 3, 16-22.	5.3	91
102	DCAP: A Secure and Efficient Decentralized Conditional Anonymous Payment System Based on Blockchain. IEEE Transactions on Information Forensics and Security, 2020, 15, 2440-2452.	4.5	91
103	Securing Edge Devices in the Post-Quantum Internet of Things Using Lattice-Based Cryptography. , 2018, 56, 158-162.		90
104	Data Exfiltration From Internet of Things Devices: iOS Devices as Case Studies. IEEE Internet of Things Journal, 2017, 4, 524-535.	5.5	88
105	Organised crime groups in cyberspace: a typology. Trends in Organized Crime, 2008, 11, 270-295.	0.8	87
106	A machine learning-based FinTech cyber threat attribution framework using high-level indicators of compromise. Future Generation Computer Systems, 2019, 96, 227-242.	4.9	87
107	BlockIPFS - Blockchain-Enabled Interplanetary File System for Forensic and Trusted Data Traceability. , 2019, , .		87
108	Blockchain-Enabled Authentication Handover With Efficient Privacy Protection in SDN-Based 5G Networks. IEEE Transactions on Network Science and Engineering, 2021, 8, 1120-1132.	4.1	87

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109	Revisiting Semi-Supervised Learning for Online Deceptive Review Detection. IEEE Access, 2017, 5, 1319-1327.	2.6	85
110	Blockchain based secure data sharing system for Internet of vehicles: A position paper. Vehicular Communications, 2019, 16, 85-93.	2.7	84
111	Towards Bayesian-Based Trust Management for Insider Attacks in Healthcare Software-Defined Networks. IEEE Transactions on Network and Service Management, 2018, 15, 761-773.	3.2	83
112	An efficient reinforcement learning-based Botnet detection approach. Journal of Network and Computer Applications, 2020, 150, 102479.	5.8	83
113	Driverless vehicle security: Challenges and future research opportunities. Future Generation Computer Systems, 2020, 108, 1092-1111.	4.9	82
114	Fine-grained Database Field Search Using Attribute-Based Encryption for E-Healthcare Clouds. Journal of Medical Systems, 2016, 40, 235.	2.2	80
115	Outlier Dirichlet Mixture Mechanism: Adversarial Statistical Learning for Anomaly Detection in the Fog. IEEE Transactions on Information Forensics and Security, 2019, 14, 1975-1987.	4.5	80
116	Cloud based data sharing with fine-grained proxy re-encryption. Pervasive and Mobile Computing, 2016, 28, 122-134.	2.1	79
117	A smartphone-based wearable sensors for monitoring real-time physiological data. Computers and Electrical Engineering, 2018, 65, 376-392.	3.0	79
118	Enhancing privacy through uniform grid and caching in location-based services. Future Generation Computer Systems, 2018, 86, 881-892.	4.9	79
119	Neural-Blockchain-Based Ultrareliable Caching for Edge-Enabled UAV Networks. IEEE Transactions on Industrial Informatics, 2019, 15, 5723-5736.	7.2	79
120	Exploring Factors Influencing the Use of Enterprise Social Networks in Multinational Professional Service Firms. Journal of Organizational Computing and Electronic Commerce, 2015, 25, 289-315.	1.0	78
121	Toward Secure and Provable Authentication for Internet of Things: Realizing Industry 4.0. IEEE Internet of Things Journal, 2020, 7, 4598-4606.	5.5	78
122	Criminal Exploitation of Online Systems by Organised Crime Groups. Asian Journal of Criminology, 2008, 3, 37-59.	1.1	77
123	Intelligent temporal classification and fuzzy rough set-based feature selection algorithm for intrusion detection system in WSNs. Information Sciences, 2019, 497, 77-90.	4.0	77
124	Security Challenges and Opportunities for Smart Contracts in Internet of Things: A Survey. IEEE Internet of Things Journal, 2021, 8, 12004-12020.	5.5	77
125	Distributed filesystem forensics: XtreemFS as a case study. Digital Investigation, 2014, 11, 295-313.	3.2	75
126	A Data Exfiltration and Remote Exploitation Attack on Consumer 3D Printers. IEEE Transactions on Information Forensics and Security, 2016, 11, 2174-2186.	4.5	75

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127	A trajectory privacy-preserving scheme based on a dual-K mechanism for continuous location-based services. Information Sciences, 2020, 527, 406-419.	4.0	75
128	A Big Data-Enabled Consolidated Framework for Energy Efficient Software Defined Data Centers in IoT Setups. IEEE Transactions on Industrial Informatics, 2020, 16, 2687-2697.	7.2	75
129	Technical, Temporal, and Spatial Research Challenges and Opportunities in Blockchain-Based Healthcare: A Systematic Literature Review. IEEE Transactions on Engineering Management, 2023, 70, 353-368.	2.4	75
130	Boosting-Based DDoS Detection in Internet of Things Systems. IEEE Internet of Things Journal, 2022, 9, 2109-2123.	5.5	75
131	Pairing-based CP-ABE with constant-size ciphertexts and secret keys for cloud environment. Computer Standards and Interfaces, 2017, 54, 3-9.	3.8	74
132	An enhanced 1-round authentication protocol for wireless body area networks with user anonymity. Computers and Electrical Engineering, 2017, 61, 238-249.	3.0	74
133	Expressive CP-ABE Scheme for Mobile Devices in IoT Satisfying Constant-Size Keys and Ciphertexts. IEEE Access, 2017, 5, 3273-3283.	2.6	74
134	Implementation of deep packet inspection in smart grids and industrial Internet of Things: Challenges and opportunities. Journal of Network and Computer Applications, 2019, 135, 32-46.	5.8	74
135	A task scheduling algorithm considering game theory designed for energy management in cloud computing. Future Generation Computer Systems, 2020, 105, 985-992.	4.9	74
136	Challenges in Delivering Software in the Cloud as Microservices. IEEE Cloud Computing, 2016, 3, 10-14.	5.3	73
137	Participatory sensing-based semantic and spatial analysis of urban emergency events using mobile social media. Eurasip Journal on Wireless Communications and Networking, 2016, 2016, .	1.5	73
138	Building knowledge base of urban emergency events based on crowdsourcing of social media. Concurrency Computation Practice and Experience, 2016, 28, 4038-4052.	1.4	73
139	Exfiltrating data from Android devices. Computers and Security, 2015, 48, 74-91.	4.0	72
140	Applications of computational intelligence in vehicle traffic congestion problem: a survey. Soft Computing, 2018, 22, 2299-2320.	2.1	72
141	Bit-level n-gram based forensic authorship analysis on social media: Identifying individuals from linguistic profiles. Journal of Network and Computer Applications, 2016, 70, 171-182.	5.8	71
142	Smart Collaborative Automation for Receive Buffer Control in Multipath Industrial Networks. IEEE Transactions on Industrial Informatics, 2020, 16, 1385-1394.	7.2	71
143	DDOA: A Dirichlet-Based Detection Scheme for Opportunistic Attacks in Smart Grid Cyber-Physical System. IEEE Transactions on Information Forensics and Security, 2016, 11, 2415-2425.	4.5	70
144	A provably secure and anonymous message authentication scheme for smart grids. Journal of Parallel and Distributed Computing, 2019, 132, 242-249.	2.7	70

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145	BloCkEd: Blockchain-Based Secure Data Processing Framework in Edge Envisioned V2X Environment. IEEE Transactions on Vehicular Technology, 2020, 69, 5850-5863.	3.9	70
146	Artificial intelligence in cyber security: research advances, challenges, and opportunities. Artificial Intelligence Review, 2022, 55, 1029-1053.	9.7	70
147	Web application protection techniques: A taxonomy. Journal of Network and Computer Applications, 2016, 60, 95-112.	5.8	69
148	A bayesian inference-based detection mechanism to defend medical smartphone networks against insider attacks. Journal of Network and Computer Applications, 2017, 78, 162-169.	5.8	69
149	Context Aware Ubiquitous Biometrics in Edge of Military Things. IEEE Cloud Computing, 2017, 4, 16-20.	5.3	69
150	A survey of empirical performance evaluation of permissioned blockchain platforms: Challenges and opportunities. Computers and Security, 2021, 100, 102078.	4.0	69
151	An efficient provably-secure certificateless signature scheme for Internet-of-Things deployment. Ad Hoc Networks, 2018, 71, 78-87.	3.4	68
152	Healthcare-Related Data in the Cloud: Challenges and Opportunities. IEEE Cloud Computing, 2016, 3, 10-14.	5.3	67
153	Have You Been a Victim of COVID-19-Related Cyber Incidents? Survey, Taxonomy, and Mitigation Strategies. IEEE Access, 2020, 8, 124134-124144.	2.6	67
154	FELIDS: Federated learning-based intrusion detection system for agricultural Internet of Things. Journal of Parallel and Distributed Computing, 2022, 165, 17-31.	2.7	67
155	M0Droid: An Android Behavioral-Based Malware Detection Model. Journal of Information Privacy and Security, 2015, 11, 141-157.	0.4	66
156	Trustworthy Processing of Healthcare Big Data in Hybrid Clouds. IEEE Cloud Computing, 2015, 2, 78-84.	5.3	65
157	Investigating Social Networking applications on smartphones detecting Facebook, Twitter, LinkedIn and Google+ artefacts on Android and iOS platforms. Australian Journal of Forensic Sciences, 2016, 48, 469-488.	0.7	65
158	P4-to-blockchain: A secure blockchain-enabled packet parser for software defined networking. Computers and Security, 2020, 88, 101629.	4.0	65
159	A lightweight machine learning-based authentication framework for smart IoT devices. Information Sciences, 2019, 484, 255-268.	4.0	64
160	Cloud computing and its implications for cybercrime investigations in Australia. Computer Law and Security Review, 2013, 29, 152-163.	1.3	63
161	The role of the adversary model in applied security research. Computers and Security, 2019, 81, 156-181.	4.0	63
162	Detecting Cryptomining Malware: a Deep Learning Approach for Static and Dynamic Analysis. Journal of Grid Computing, 2020, 18, 293-303.	2.5	63

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163	Windows Instant Messaging App Forensics: Facebook and Skype as Case Studies. PLoS ONE, 2016, 11, e0150300.	1.1	62
164	A Novel Certificateless Signature Scheme for Smart Objects in the Internet-of-Things. Sensors, 2017, 17, 1001.	2.1	62
165	BaDS: Blockchain-Based Architecture for Data Sharing with ABS and CP-ABE in IoT. Wireless Communications and Mobile Computing, 2018, 2018, 1-9.	0.8	62
166	An opcodeâ€based technique for polymorphic Internet of Things malware detection. Concurrency Computation Practice and Experience, 2020, 32, e5173.	1.4	62
167	Blockchain-Based Privacy Preservation for 5G-Enabled Drone Communications. IEEE Network, 2021, 35, 50-56.	4.9	62
168	A Blockchain-Based Shamirâ€™s Threshold Cryptography Scheme for Data Protection in Industrial Internet of Things Settings. IEEE Internet of Things Journal, 2022, 9, 8154-8167.	5.5	62
169	PUF-Based Authentication and Key Agreement Protocols for IoT, WSNs, and Smart Grids: A Comprehensive Survey. IEEE Internet of Things Journal, 2022, 9, 8205-8228.	5.5	62
170	A Forensically Sound Adversary Model for Mobile Devices. PLoS ONE, 2015, 10, e0138449.	1.1	61
171	An untraceable and anonymous password authentication protocol for heterogeneous wireless sensor networks. Journal of Network and Computer Applications, 2018, 104, 133-144.	5.8	61
172	EPA-CPPA: An efficient, provably-secure and anonymous conditional privacy-preserving authentication scheme for vehicular ad hoc networks. Vehicular Communications, 2018, 13, 104-113.	2.7	61
173	Anomaly Detection with Graph Convolutional Networks for Insider Threat and Fraud Detection. , 2019, , .		59
174	On the Design of Mutual Authentication and Key Agreement Protocol in Internet of Vehicles-Enabled Intelligent Transportation System. IEEE Transactions on Vehicular Technology, 2021, 70, 1736-1751.	3.9	59
175	A New Transitively Closed Undirected Graph Authentication Scheme for Blockchain-Based Identity Management Systems. IEEE Access, 2018, 6, 28203-28212.	2.6	58
176	Privacy-Preserving Tensor Decomposition Over Encrypted Data in a Federated Cloud Environment. IEEE Transactions on Dependable and Secure Computing, 2020, 17, 857-868.	3.7	58
177	Smart vehicle forensics: Challenges and case study. Future Generation Computer Systems, 2020, 109, 500-510.	4.9	58
178	Fault-Tolerant Multisubset Aggregation Scheme for Smart Grid. IEEE Transactions on Industrial Informatics, 2021, 17, 4065-4072.	7.2	58
179	A cyber kill chain based taxonomy of banking Trojans for evolutionary computational intelligence. Journal of Computational Science, 2018, 27, 394-409.	1.5	57
180	Secure Online/Offline Data Sharing Framework for Cloud-Assisted Industrial Internet of Things. IEEE Internet of Things Journal, 2019, 6, 8681-8691.	5.5	57

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181	An improved two-hidden-layer extreme learning machine for malware hunting. Computers and Security, 2020, 89, 101655.	4.0	57
182	Consumer, Commercial, and Industrial IoT (In)Security: Attack Taxonomy and Case Studies. IEEE Internet of Things Journal, 2022, 9, 199-221.	5.5	57
183	Distributed machine learning cloud teleophthalmology IoT for predicting AMD disease progression. Future Generation Computer Systems, 2019, 93, 486-498.	4.9	56
184	Is the data on your wearable device secure? An Android Wear smartwatch case study. Software - Practice and Experience, 2017, 47, 391-403.	2.5	55
185	Efficient Hierarchical Identity-Based Signature With Batch Verification for Automatic Dependent Surveillance-Broadcast System. IEEE Transactions on Information Forensics and Security, 2017, 12, 454-464.	4.5	55
186	BoSMoS: A Blockchain-Based Status Monitoring System for Defending Against Unauthorized Software Updating in Industrial Internet of Things. IEEE Internet of Things Journal, 2020, 7, 948-959.	5.5	55
187	AI4SAFE-IoT: an AI-powered secure architecture for edge layer of Internet of things. Neural Computing and Applications, 2020, 32, 16119-16133.	3.2	55
188	Multi-authority Attribute-Based Keyword Search over Encrypted Cloud Data. IEEE Transactions on Dependable and Secure Computing, 2021, , 1-1.	3.7	55
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