Neeraj Kumar, Smieee

List of Publications by Year
in descending order

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941 papers	44,353 citations	1606 105 h-index	7496 151 g-index
955 all docs	955 docs citations	955 times ranked	18923 citing authors

#	Article	IF	Citations
1	A survey on privacy protection in blockchain system. Journal of Network and Computer Applications, 2019, 126, 45-58.	5.8	512
2	Path planning techniques for unmanned aerial vehicles: A review, solutions, and challenges. Computer Communications, 2020, 149, 270-299.	3.1	414
3	Blockchain for Industry 4.0: A Comprehensive Review. IEEE Access, 2020, 8, 79764-79800.	2.6	411
4	Blockchain for 5G-enabled IoT for industrial automation: A systematic review, solutions, and challenges. Mechanical Systems and Signal Processing, 2020, 135, 106382.	4.4	392
5	A systematic review on clustering and routing techniques based upon LEACH protocol for wireless sensor networks. Journal of Network and Computer Applications, 2013, 36, 623-645.	5.8	374
6	Decision Tree and SVM-Based Data Analytics for Theft Detection in Smart Grid. IEEE Transactions on Industrial Informatics, 2016, 12, 1005-1016.	7.2	365
7	Fog computing for Healthcare 4.0 environment: Opportunities and challenges. Computers and Electrical Engineering, 2018, 72, 1-13.	3.0	358
8	A Secure Biometrics-Based Multi-Server Authentication Protocol Using Smart Cards. IEEE Transactions on Information Forensics and Security, 2015, 10, 1953-1966.	4.5	347
9	Secure Signature-Based Authenticated Key Establishment Scheme for Future IoT Applications. IEEE Access, 2017, 5, 3028-3043.	2.6	330
10	Anonymous Authentication for Wireless Body Area Networks With Provable Security. IEEE Systems Journal, 2017, 11, 2590-2601.	2.9	309
11	Design of Secure User Authenticated Key Management Protocol for Generic IoT Networks. IEEE Internet of Things Journal, 2018, 5, 269-282.	5.5	298
12	Edge Computing in the Industrial Internet of Things Environment: Software-Defined-Networks-Based Edge-Cloud Interplay. , 2018, 56, 44-51.		297
13	Robust anonymous authentication protocol for health-care applications using wireless medical sensor networks. Multimedia Systems, 2015, 21, 49-60.	3.0	271
14	Security and Privacy for the Internet of Drones: Challenges and Solutions. IEEE Communications Magazine, 2018, 56, 64-69.	4.9	262
15	A Multi-Organ Nucleus Segmentation Challenge. IEEE Transactions on Medical Imaging, 2020, 39, 1380-1391.	5.4	259
16	Blockchain for smart communities: Applications, challenges and opportunities. Journal of Network and Computer Applications, 2019, 144, 13-48.	5.8	249
17	Design of an anonymity-preserving three-factor authenticated key exchange protocol for wireless sensor networks. Computer Networks, 2016, 101, 42-62.	3.2	248
18	A robust and anonymous patient monitoring system using wireless medical sensor networks. Future Generation Computer Systems, 2018, 80, 483-495.	4.9	241

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19	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
20	Secure Remote User Authenticated Key Establishment Protocol for Smart Home Environment. IEEE Transactions on Dependable and Secure Computing, 2020, 17, 391-406.	3.7	230
21	A light weight authentication protocol for IoT-enabled devices in distributed Cloud Computing environment. Future Generation Computer Systems, 2018, 78, 1005-1019.	4.9	227
22	A systematic review on routing protocols for Vehicular Ad Hoc Networks. Vehicular Communications, 2014, 1, 33-52.	2.7	226
23	Design and Analysis of Secure Lightweight Remote User Authentication and Key Agreement Scheme in Internet of Drones Deployment. IEEE Internet of Things Journal, 2019, 6, 3572-3584.	5.5	218
24	A dynamic password-based user authentication scheme for hierarchical wireless sensor networks. Journal of Network and Computer Applications, 2012, 35, 1646-1656.	5.8	209
25	A secure user anonymity-preserving biometric-based multi-server authenticated key agreement scheme using smart cards. Expert Systems With Applications, 2014, 41, 8129-8143.	4.4	208
26	BEST: Blockchain-based secure energy trading in SDN-enabled intelligent transportation system. Computers and Security, 2019, 85, 288-299.	4.0	207
27	Blockchain for Internet of Energy management: Review, solutions, and challenges. Computer Communications, 2020, 151, 395-418.	3.1	207
28	A secure temporal-credential-based mutual authentication and key agreement scheme with pseudo identity for wireless sensor networks. Information Sciences, 2015, 321, 263-277.	4.0	206
29	Hybrid Deep-Learning-Based Anomaly Detection Scheme for Suspicious Flow Detection in SDN: A Social Multimedia Perspective. IEEE Transactions on Multimedia, 2019, 21, 566-578.	5.2	206
30	SURVIVOR: A blockchain based edge-as-a-service framework for secure energy trading in SDN-enabled vehicle-to-grid environment. Computer Networks, 2019, 153, 36-48.	3.2	200
31	Clustering in vehicular ad hoc networks: Taxonomy, challenges and solutions. Vehicular Communications, 2014, 1, 134-152.	2.7	197
32	Blockchain for IoT-Based Healthcare: Background, Consensus, Platforms, and Use Cases. IEEE Systems Journal, 2021, 15, 85-94.	2.9	196
33	A feature reduced intrusion detection system using ANN classifier. Expert Systems With Applications, 2017, 88, 249-257.	4.4	195
34	Whale Optimization Algorithm With Applications to Resource Allocation in Wireless Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 4285-4297.	3.9	193
35	Certificateless Searchable Public Key Encryption Scheme for Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2018, 14, 759-767.	7.2	190
36	Lightweight and Physically Secure Anonymous Mutual Authentication Protocol for Real-Time Data Access in Industrial Wireless Sensor Networks. IEEE Transactions on Industrial Informatics, 2019, 15, 4957-4968.	7.2	188

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37	A Hybrid Deep Learning-Based Model for Anomaly Detection in Cloud Datacenter Networks. IEEE Transactions on Network and Service Management, 2019, 16, 924-935.	3.2	187
38	Cloud Centric Authentication for Wearable Healthcare Monitoring System. IEEE Transactions on Dependable and Secure Computing, 2020, 17, 942-956.	3.7	178
39	TCALAS: Temporal Credential-Based Anonymous Lightweight Authentication Scheme for Internet of Drones Environment. IEEE Transactions on Vehicular Technology, 2019, 68, 6903-6916.	3.9	177
40	BHEEM: A Blockchain-Based Framework for Securing Electronic Health Records. , 2018, , .		176
41	An efficient ECC-based provably secure three-factor user authentication and key agreement protocol for wireless healthcare sensor networks. Computers and Electrical Engineering, 2018, 69, 534-554.	3.0	171
42	Design of secure key management and user authentication scheme for fog computing services. Future Generation Computer Systems, 2019, 91, 475-492.	4.9	170
43	Enhanced three-factor security protocol for consumer USB mass storage devices. IEEE Transactions on Consumer Electronics, 2014, 60, 30-37.	3.0	169
44	LAM-CIoT: Lightweight authentication mechanism in cloud-based IoT environment. Journal of Network and Computer Applications, 2020, 150, 102496.	5.8	169
45	Blockchain-Based Distributed Framework for Automotive Industry in a Smart City. IEEE Transactions on Industrial Informatics, 2019, 15, 4197-4205.	7.2	166
46	Efficient and Privacy-Preserving Data Aggregation Scheme for Smart Grid Against Internal Adversaries. IEEE Transactions on Smart Grid, 2017, 8, 2411-2419.	6.2	165
47	A secure authentication scheme based on elliptic curve cryptography for IoT and cloud servers. Journal of Supercomputing, 2018, 74, 6428-6453.	2.4	162
48	Chaotic Map-Based Anonymous User Authentication Scheme With User Biometrics and Fuzzy Extractor for Crowdsourcing Internet of Things. IEEE Internet of Things Journal, 2018, 5, 2884-2895.	5.5	162
49	SDN-Enabled Multi-Attribute-Based Secure Communication for Smart Grid in IIoT Environment. IEEE Transactions on Industrial Informatics, 2018, 14, 2629-2640.	7.2	161
50	AKM-IoV: Authenticated Key Management Protocol in Fog Computing-Based Internet of Vehicles Deployment. IEEE Internet of Things Journal, 2019, 6, 8804-8817.	5.5	161
51	Biometrics-Based Privacy-Preserving User Authentication Scheme for Cloud-Based Industrial Internet of Things Deployment. IEEE Internet of Things Journal, 2018, 5, 4900-4913.	5.5	159
52	Provably Secure Authenticated Key Agreement Scheme for Smart Grid. IEEE Transactions on Smart Grid, 2016, , 1-1.	6.2	158
53	Fog Vehicular Computing: Augmentation of Fog Computing Using Vehicular Cloud Computing. IEEE Vehicular Technology Magazine, 2017, 12, 55-64.	2.8	158
54	Realizing the Potential of the Internet of Things for Smart Tourism with 5G and AI. IEEE Network, 2020, 34, 295-301.	4.9	158

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55	Efficient and Anonymous Mobile User Authentication Protocol Using Self-Certified Public Key Cryptography for Multi-Server Architectures. IEEE Transactions on Information Forensics and Security, 2016, 11, 2052-2064.	4.5	157
56	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
57	Securing electronics healthcare records in Healthcare 4.0 : A biometric-based approach. Computers and Electrical Engineering, 2019, 76, 398-410.	3.0	156
58	Certificateless Public Key Authenticated Encryption With Keyword Search for Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2018, 14, 3618-3627.	7.2	155
59	Container-as-a-Service at the Edge: Trade-off between Energy Efficiency and Service Availability at Fog Nano Data Centers. IEEE Wireless Communications, 2017, 24, 48-56.	6.6	154
60	Secure Biometric-Based Authentication Scheme Using Chebyshev Chaotic Map for Multi-Server Environment. IEEE Transactions on Dependable and Secure Computing, 2018, 15, 824-839.	3.7	154
61	Authenticated key agreement scheme for fog-driven IoT healthcare system. Wireless Networks, 2019, 25, 4737-4750.	2.0	154
62	A systematic review on heterogeneous routing protocols for wireless sensor network. Journal of Network and Computer Applications, 2015, 53, 39-56.	5.8	150
63	Designing secure blockchain-based access control scheme in IoT-enabled Internet of Drones deployment. Computer Communications, 2020, 153, 229-249.	3.1	150
64	UAV-Empowered Edge Computing Environment for Cyber-Threat Detection in Smart Vehicles. IEEE Network, 2018, 32, 42-51.	4.9	148
65	Vehicular delay-tolerant networks for smart grid data management using mobile edge computing. , 2016, 54, 60-66.		147
66	Blockchain-based identity management systems: A review. Journal of Network and Computer Applications, 2020, 166, 102731.	5.8	147
67	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
68	Designing Secure Lightweight Blockchain-Enabled RFID-Based Authentication Protocol for Supply Chains in 5G Mobile Edge Computing Environment. IEEE Transactions on Industrial Informatics, 2020, 16, 7081-7093.	7.2	144
69	Blockchain-Envisioned Secure Data Delivery and Collection Scheme for 5G-Based IoT-Enabled Internet of Drones Environment. IEEE Transactions on Vehicular Technology, 2020, 69, 9097-9111.	3.9	143
70	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
71	A user friendly mutual authentication and key agreement scheme for wireless sensor networks using chaotic maps. Future Generation Computer Systems, 2016, 63, 56-75.	4.9	140
72	Data Offloading in 5G-Enabled Software-Defined Vehicular Networks: A Stackelberg-Game-Based Approach. IEEE Communications Magazine, 2017, 55, 100-108.	4.9	140

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73	Blockchain data-based cloud data integrity protection mechanism. Future Generation Computer Systems, 2020, 102, 902-911.	4.9	140
74	Edge Computing-Based Security Framework for Big Data Analytics in VANETs. IEEE Network, 2019, 33, 72-81.	4.9	139
75	BinDaaS: Blockchain-Based Deep-Learning as-a-Service in Healthcare 4.0 Applications. IEEE Transactions on Network Science and Engineering, 2021, 8, 1242-1255.	4.1	138
76	BAKMP-IoMT: Design of Blockchain Enabled Authenticated Key Management Protocol for Internet of Medical Things Deployment. IEEE Access, 2020, 8, 95956-95977.	2.6	138
77	A secure and robust temporal credential-based three-factor user authentication scheme for wireless sensor networks. Peer-to-Peer Networking and Applications, 2016, 9, 223-244.	2.6	137
78	Lightweight and privacy-preserving RFID authentication scheme for distributed IoT infrastructure with secure localization services for smart city environment. Future Generation Computer Systems, 2018, 83, 629-637.	4.9	137
79	Designing Blockchain-Based Access Control Protocol in IoT-Enabled Smart-Grid System. IEEE Internet of Things Journal, 2021, 8, 5744-5761.	5.5	135
80	Fog Computing for Smart Grid Systems in the 5G Environment: Challenges and Solutions. IEEE Wireless Communications, 2019, 26, 47-53.	6.6	134
81	Software defined solutions for sensors in 6G/IoE. Computer Communications, 2020, 153, 42-47.	3.1	133
82	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
83	Machine Learning Models for Secure Data Analytics: A taxonomy and threat model. Computer Communications, 2020, 153, 406-440.	3.1	132
84	Secure Message Communication Protocol Among Vehicles in Smart City. IEEE Transactions on Vehicular Technology, 2018, 67, 4359-4373.	3.9	131
85	Taxonomy and analysis of security protocols for Internet of Things. Future Generation Computer Systems, 2018, 89, 110-125.	4.9	130
86	Smart Secure Sensing for IoT-Based Agriculture: Blockchain Perspective. IEEE Sensors Journal, 2021, 21, 17591-17607.	2.4	128
87	Deep learning models for traffic flow prediction in autonomous vehicles: A review, solutions, and challenges. Vehicular Communications, 2019, 20, 100184.	2.7	127
88	Efficient Privacy-Aware Authentication Scheme for Mobile Cloud Computing Services. IEEE Systems Journal, 2018, 12, 1621-1631.	2.9	126
89	Provably Secure Fine-Grained Data Access Control Over Multiple Cloud Servers in Mobile Cloud Computing Based Healthcare Applications. IEEE Transactions on Industrial Informatics, 2019, 15, 457-468.	7.2	126
90	Anonymous Lightweight Chaotic Map-Based Authenticated Key Agreement Protocol for Industrial Internet of Things. IEEE Transactions on Dependable and Secure Computing, 2020, 17, 1133-1146.	3.7	126

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91	Design of a provably secure biometrics-based multi-cloud-server authentication scheme. Future Generation Computer Systems, 2017, 68, 320-330.	4.9	125
92	A Provably Secure and Efficient Identity-Based Anonymous Authentication Scheme for Mobile Edge Computing. IEEE Systems Journal, 2020, 14, 560-571.	2.9	125
93	HomeChain: A Blockchain-Based Secure Mutual Authentication System for Smart Homes. IEEE Internet of Things Journal, 2020, 7, 818-829.	5.5	124
94	Tactile-Internet-Based Telesurgery System for Healthcare 4.0: An Architecture, Research Challenges, and Future Directions. IEEE Network, 2019, 33, 22-29.	4.9	122
95	Blockchain-based security attack resilience schemes for autonomous vehicles in industry 4.0: A systematic review. Computers and Electrical Engineering, 2020, 86, 106717.	3.0	122
96	Provably Secure ECC-Based Device Access Control and Key Agreement Protocol for IoT Environment. IEEE Access, 2019, 7, 55382-55397.	2.6	121
97	Authentication in cloud-driven IoT-based big data environment: Survey and outlook. Journal of Systems Architecture, 2019, 97, 185-196.	2.5	120
98	A lightweight and secure two-factor authentication scheme for wireless body area networks in health-care IoT. Computer Networks, 2020, 177, 107333.	3.2	120
99	LSCSH: Lattice-Based Secure Cryptosystem for Smart Healthcare in Smart Cities Environment. IEEE Communications Magazine, 2018, 56, 24-32.	4.9	119
100	A Novel Authentication and Key Agreement Scheme for Implantable Medical Devices Deployment. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 1299-1309.	3.9	119
101	Coordinated Power Control of Electric Vehicles for Grid Frequency Support: MILP-Based Hierarchical Control Design. IEEE Transactions on Smart Grid, 2019, 10, 3364-3373.	6.2	119
102	Security of Cryptocurrencies in blockchain technology: State-of-art, challenges and future prospects. Journal of Network and Computer Applications, 2020, 163, 102635.	5.8	118
103	A secure and effective biometricâ€based user authentication scheme for wireless sensor networks using smart card and fuzzy extractor. International Journal of Communication Systems, 2017, 30, e2933.	1.6	117
104	Secure Three-Factor User Authentication Scheme for Renewable-Energy-Based Smart Grid Environment. IEEE Transactions on Industrial Informatics, 2017, 13, 3144-3153.	7.2	116
105	SeDaTiVe: SDN-Enabled Deep Learning Architecture for Network Traffic Control in Vehicular Cyber-Physical Systems. IEEE Network, 2018, 32, 66-73.	4.9	116
106	EDL-COVID: Ensemble Deep Learning for COVID-19 Case Detection From Chest X-Ray Images. IEEE Transactions on Industrial Informatics, 2021, 17, 6539-6549.	7.2	115
107	A Deep Learning-based Cryptocurrency Price Prediction Scheme for Financial Institutions. Journal of Information Security and Applications, 2020, 55, 102583.	1.8	114
108	A Secure and Efficient Uniqueness-and-Anonymity-Preserving Remote User Authentication Scheme for Connected Health Care. Journal of Medical Systems, 2013, 37, 9948.	2.2	113

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109	Towards energy-aware fog-enabled cloud of things for healthcare. Computers and Electrical Engineering, 2018, 67, 58-69.	3.0	112
110	Tactile internet and its applications in 5G era: A comprehensive review. International Journal of Communication Systems, 2019, 32, e3981.	1.6	111
111	IoT-Based Solid Waste Management Solutions: A Survey. Journal of Sensor and Actuator Networks, 2019, 8, 5.	2.3	109
112	Robust Spammer Detection Using Collaborative Neural Network in Internet-of-Things Applications. IEEE Internet of Things Journal, 2021, 8, 9549-9558.	5.5	109
113	Collaborative trust aware intelligent intrusion detection in VANETs. Computers and Electrical Engineering, 2014, 40, 1981-1996.	3.0	107
114	Optimal Decision Making for Big Data Processing at Edge-Cloud Environment: An SDN Perspective. IEEE Transactions on Industrial Informatics, 2018, 14, 778-789.	7.2	107
115	Dynamic pricing techniques for Intelligent Transportation System in smart cities: A systematic review. Computer Communications, 2020, 150, 603-625.	3.1	107
116	Secure anonymous mutual authentication for star two-tier wireless body area networks. Computer Methods and Programs in Biomedicine, 2016, 135, 37-50.	2.6	106
117	Privacy-preserving data aggregation scheme against internal attackers in smart grids. Wireless Networks, 2016, 22, 491-502.	2.0	105
118	A Multi-Tenant Cloud-Based DC Nano Grid for Self-Sustained Smart Buildings in Smart Cities. , 2017, 55, 14-21.		105
119	Fog data analytics: A taxonomy and process model. Journal of Network and Computer Applications, 2019, 128, 90-104.	5.8	105
120	Government regulations in cyber security: Framework, standards and recommendations. Future Generation Computer Systems, 2019, 92, 178-188.	4.9	104
121	Blockchain and AI amalgamation for energy cloud management: Challenges, solutions, and future directions. Journal of Parallel and Distributed Computing, 2020, 143, 148-166.	2.7	104
122	Bayesian Coalition Game as-a-Service for Content Distribution in Internet of Vehicles. IEEE Internet of Things Journal, 2014, 1, 544-555.	5.5	103
123	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
124	Intrusion Detection Protocols in Wireless Sensor Networks Integrated to Internet of Things Deployment: Survey and Future Challenges. IEEE Access, 2020, 8, 3343-3363.	2.6	103
125	Coalition Games for Spatio-Temporal Big Data in Internet of Vehicles Environment: A Comparative Analysis. IEEE Internet of Things Journal, 2015, 2, 310-320.	5.5	101
126	Efficient and Secure Anonymous Authentication With Location Privacy for IoT-Based WBANs. IEEE Transactions on Industrial Informatics, 2020, 16, 2603-2611.	7.2	101

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127	BlockSDN: Blockchain-as-a-Service for Software Defined Networking in Smart City Applications. IEEE Network, 2020, 34, 83-91.	4.9	101
128	A Smart Waste Management Solution Geared towards Citizens. Sensors, 2020, 20, 2380.	2.1	100
129	EEG-Based Pathology Detection for Home Health Monitoring. IEEE Journal on Selected Areas in Communications, 2021, 39, 603-610.	9.7	100
130	Network Service Chaining in Fog and Cloud Computing for the 5G Environment: Data Management and Security Challenges. , 2017, 55, 114-122.		99
131	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
132	Stochastic Neural Networks for Cryptocurrency Price Prediction. IEEE Access, 2020, 8, 82804-82818.	2.6	99
133	Optimized Big Data Management across Multi-Cloud Data Centers: Software-Defined-Network-Based Analysis. , 2018, 56, 118-126.		98
134	Design and analysis of authenticated key agreement scheme in cloud-assisted cyberâ€“physical systems. Future Generation Computer Systems, 2020, 108, 1267-1286.	4.9	98
135	A taxonomy of AI techniques for 6G communication networks. Computer Communications, 2020, 161, 279-303.	3.1	98
136	On the Design of Provably Secure Lightweight Remote User Authentication Scheme for Mobile Cloud Computing Services. IEEE Access, 2017, 5, 25808-25825.	2.6	97
137	Provably secure authenticated key agreement scheme for distributed mobile cloud computing services. Future Generation Computer Systems, 2017, 68, 74-88.	4.9	97
138	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
139	Trust management in social Internet of Things: A taxonomy, open issues, and challenges. Computer Communications, 2020, 150, 13-46.	3.1	97
140	SAFE: SDN-Assisted Framework for Edgeâ€“Cloud Interplay in Secure Healthcare Ecosystem. IEEE Transactions on Industrial Informatics, 2019, 15, 469-480.	7.2	96
141	Certificateless-Signcryption-Based Three-Factor User Access Control Scheme for IoT Environment. IEEE Internet of Things Journal, 2020, 7, 3184-3197.	5.5	96
142	Energy-Aware Marine Predators Algorithm for Task Scheduling in IoT-Based Fog Computing Applications. IEEE Transactions on Industrial Informatics, 2021, 17, 5068-5076.	7.2	96
143	An advanced Internet of Thing based Security Alert System for Smart Home. , 2017, , .		95
144	HaBiTs: Blockchain-based Telesurgery Framework for Healthcare 4.0. , 2019, , .		95

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145	IoMT Malware Detection Approaches: Analysis and Research Challenges. IEEE Access, 2019, 7, 182459-182476.	2.6	95
146	A Review on Autonomous Vehicles: Progress, Methods and Challenges. Electronics (Switzerland), 2022, 11, 2162.	1.8	95
147	Secure clustering for efficient data dissemination in vehicular cyberâ€“physical systems. Future Generation Computer Systems, 2016, 56, 476-492.	4.9	94
148	Intelligent Mobile Video Surveillance System as a Bayesian Coalition Game in Vehicular Sensor Networks: Learning Automata Approach. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 1148-1161.	4.7	93
149	A Lightweight Privacy-Preserving Authentication Protocol for VANETs. IEEE Systems Journal, 2020, 14, 3547-3557.	2.9	93
150	Tactile Internet for Smart Communities in 5G: An Insight for NOMA-Based Solutions. IEEE Transactions on Industrial Informatics, 2019, 15, 3104-3112.	7.2	92
151	A Novel UAV-Enabled Data Collection Scheme for Intelligent Transportation System Through UAV Speed Control. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 2100-2110.	4.7	91
152	Smart Contract-Based Blockchain-Envisioned Authentication Scheme for Smart Farming. IEEE Internet of Things Journal, 2021, 8, 10792-10806.	5.5	91
153	Design of Lightweight Authentication and Key Agreement Protocol for Vehicular Ad Hoc Networks. IEEE Access, 2017, 5, 14966-14980.	2.6	90
154	A Comprehensive Review on Smart Decision Support Systems for Health Care. IEEE Systems Journal, 2019, 13, 3536-3545.	2.9	90
155	Collaborative Learning Automata-Based Routing for Rescue Operations in Dense Urban Regions Using Vehicular Sensor Networks. IEEE Systems Journal, 2015, 9, 1081-1090.	2.9	89
156	Bayesian Coalition Game for Contention-Aware Reliable Data Forwarding in Vehicular Mobile Cloud. Future Generation Computer Systems, 2015, 48, 60-72.	4.9	89
157	On the Design of Conditional Privacy Preserving Batch Verification-Based Authentication Scheme for Internet of Vehicles Deployment. IEEE Transactions on Vehicular Technology, 2020, 69, 5535-5548.	3.9	89
158	Blockchain-Envisioned UAV Communication Using 6G Networks: Open Issues, Use Cases, and Future Directions. IEEE Internet of Things Journal, 2021, 8, 5416-5441.	5.5	89
159	ALCA: agent learningâ€“based clustering algorithm in vehicular ad hoc networks. Personal and Ubiquitous Computing, 2013, 17, 1683-1692.	1.9	88
160	Blockchain Technology Toward Green IoT: Opportunities and Challenges. IEEE Network, 2020, 34, 263-269.	4.9	88
161	An intelligent approach for building a secure decentralized public key infrastructure in VANET. Journal of Computer and System Sciences, 2015, 81, 1042-1058.	0.9	87
162	A Systematic Review on NOMA Variants for 5G and Beyond. IEEE Access, 2021, 9, 85573-85644.	2.6	86

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163	A Secure and Efficient User Anonymity-Preserving Three-Factor Authentication Protocol for Large-Scale Distributed Wireless Sensor Networks. Wireless Personal Communications, 2015, 82, 1377-1404.	1.8	85
164	Provably secure user authentication and key agreement scheme for wireless sensor networks. Security and Communication Networks, 2016, 9, 3670-3687.	1.0	85
165	Secure Authentication Scheme for Medicine Anti-Counterfeiting System in IoT Environment. IEEE Internet of Things Journal, 2017, 4, 1634-1646.	5.5	85
166	Consumption-Aware Data Analytical Demand Response Scheme for Peak Load Reduction in Smart Grid. IEEE Transactions on Industrial Electronics, 2018, 65, 8993-9004.	5.2	85
167	Renewable Energy-Based Multi-Indexed Job Classification and Container Management Scheme for Sustainability of Cloud Data Centers. IEEE Transactions on Industrial Informatics, 2019, 15, 2947-2957.	7.2	85
168	A lifetime extended multi-levels heterogeneous routing protocol for wireless sensor networks. Telecommunication Systems, 2015, 59, 43-62.	1.6	84
169	Blockchain-Based Mutual-Healing Group Key Distribution Scheme in Unmanned Aerial Vehicles Ad-Hoc Network. IEEE Transactions on Vehicular Technology, 2019, 68, 11309-11322.	3.9	84
170	GUARDIAN: Blockchain-Based Secure Demand Response Management in Smart Grid System. IEEE Transactions on Services Computing, 2020, 13, 613-624.	3.2	84
171	A taxonomy of blockchain-enabled softwarization for secure UAV network. Computer Communications, 2020, 161, 304-323.	3.1	84
172	BloHosT: Blockchain Enabled Smart Tourism and Hospitality Management. , 2019, , .		83
173	Facial Sentiment Analysis Using AI Techniques: State-of-the-Art, Taxonomies, and Challenges. IEEE Access, 2020, 8, 90495-90519.	2.6	83
174	Analyzing the Effectiveness and Contribution of Each Axis of Tri-Axial Accelerometer Sensor for Accurate Activity Recognition. Sensors, 2020, 20, 2216.	2.1	83
175	Automated DDOS attack detection in software defined networking. Journal of Network and Computer Applications, 2021, 187, 103108.	5.8	83
176	An efficient multiâ€gatewayâ€based threeâ€factor user authentication and key agreement scheme in hierarchical wireless sensor networks. Security and Communication Networks, 2016, 9, 2070-2092.	1.0	82
177	Lightweight Mutual Authentication Protocol for V2G Using Physical Unclonable Function. IEEE Transactions on Vehicular Technology, 2020, 69, 7234-7246.	3.9	82
178	En-ABC: An ensemble artificial bee colony based anomaly detection scheme for cloud environment. Journal of Parallel and Distributed Computing, 2020, 135, 219-233.	2.7	81
179	Lightweight ECC Based RFID Authentication Integrated with an ID Verifier Transfer Protocol. Journal of Medical Systems, 2014, 38, 116.	2.2	80
180	An intelligent RFID-enabled authentication scheme for healthcare applications in vehicular mobile cloud. Peer-to-Peer Networking and Applications, 2016, 9, 824-840.	2.6	80

#	Article	IF	Citations
181	ECCAuth: A Secure Authentication Protocol for Demand Response Management in a Smart Grid System. IEEE Transactions on Industrial Informatics, 2019, 15, 6572-6582.	7.2	79
182	Tensor-Based Big Data Management Scheme for Dimensionality Reduction Problem in Smart Grid Systems: SDN Perspective. IEEE Transactions on Knowledge and Data Engineering, 2018, 30, 1985-1998.	4.0	78
183	Peer-to-Peer Cooperative Caching for Data Dissemination in Urban Vehicular Communications. IEEE Systems Journal, 2014, 8, 1136-1144.	2.9	77
184	An Efficient and Practical Smart Card Based Anonymity Preserving User Authentication Scheme for TMIS using Elliptic Curve Cryptography. Journal of Medical Systems, 2015, 39, 180.	2.2	77
185	Learning Automata-based Opportunistic Data Aggregation and Forwarding scheme for alert generation in Vehicular Ad Hoc Networks. Computer Communications, 2014, 39, 22-32.	3.1	76
186	Design of Mutually Authenticated Key Agreement Protocol Resistant to Impersonation Attacks for Multi-Server Environment. IEEE Access, 2017, 5, 3622-3639.	2.6	76
187	A multi-stage anomaly detection scheme for augmenting the security in IoT-enabled applications. Future Generation Computer Systems, 2020, 104, 105-118.	4.9	76
188	Anonymous two-factor authentication for consumer roaming service in global mobility networks. IEEE Transactions on Consumer Electronics, 2013, 59, 811-817.	3.0	75
189	SDN/NFV architectures for edge-cloud oriented IoT: A systematic review. Computer Communications, 2021, 169, 129-153.	3.1	75
190	Early Collision Detection for Massive Random Access in Satellite-Based Internet of Things. IEEE Transactions on Vehicular Technology, 2021, 70, 5184-5189.	3.9	75
191	PARTH: A two-stage lightweight mutual authentication protocol for UAV surveillance networks. Computer Communications, 2020, 160, 81-90.	3.1	75
192	An improved authentication protocol for session initiation protocol using smart card. Peer-to-Peer Networking and Applications, 2015, 8, 903-910.	2.6	74
193	Design of an efficient and provably secure anonymity preserving threeâ€factor user authentication and key agreement scheme for TMIS. Security and Communication Networks, 2016, 9, 1983-2001.	1.0	74
194	Expressive CP-ABE Scheme for Mobile Devices in IoT Satisfying Constant-Size Keys and Ciphertexts. IEEE Access, 2017, 5, 3273-3283.	2.6	74
195	SecSVA: Secure Storage, Verification, and Auditing of Big Data in the Cloud Environment. , 2018, 56, 78-85.		74
196	IoT Vulnerability Assessment for Sustainable Computing: Threats, Current Solutions, and Open Challenges. IEEE Access, 2020, 8, 168825-168853.	2.6	74
197	Ant colony algorithms in MANETs: A review. Journal of Network and Computer Applications, 2012, 35, 1964-1972.	5.8	73
198	A secure and efficient ECC-based user anonymity-preserving session initiation authentication protocol using smart card. Peer-to-Peer Networking and Applications, 2016, 9, 171-192.	2.6	73

#	Article	IF	Citations
199	Certificate-Based Anonymous Device Access Control Scheme for IoT Environment. IEEE Internet of Things Journal, 2019, 6, 9762-9773.	5.5	73
200	Authentication Protocols in Internet of Vehicles: Taxonomy, Analysis, and Challenges. IEEE Access, 2020, 8, 54314-54344.	2.6	73
201	Blockchain for decentralized <scp>multiâ€drone</scp> to combat <scp>COVID</scp>â€19 and future pandemics: Framework and proposed solutions. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4255.	2.6	73
202	A random key establishment scheme for multi-phase deployment in large-scale distributed sensor networks. International Journal of Information Security, 2012, 11, 189-211.	2.3	72
203	An efficient approach for mining association rules from high utility itemsets. Expert Systems With Applications, 2015, 42, 5754-5778.	4.4	72
204	Deep-Learning-Based Small Surface Defect Detection via an Exaggerated Local Variation-Based Generative Adversarial Network. IEEE Transactions on Industrial Informatics, 2020, 16, 1343-1351.	7.2	72
205	When Blockchain Meets Smart Grid: Secure Energy Trading in Demand Response Management. IEEE Network, 2020, 34, 299-305.	4.9	72
206	Secure Multifactor Authenticated Key Agreement Scheme for Industrial IoT. IEEE Internet of Things Journal, 2021, 8, 3801-3811.	5.5	72
207	A Secure Anonymous Authentication Protocol for Mobile Services on Elliptic Curve Cryptography. IEEE Access, 2016, 4, 4394-4407.	2.6	71
208	An Improved and Effective Secure Password-Based Authentication and Key Agreement Scheme Using Smart Cards for the Telecare Medicine Information System. Journal of Medical Systems, 2013, 37, 9969.	2.2	70
209	BloCkEd: Blockchain-Based Secure Data Processing Framework in Edge Envisioned V2X Environment. IEEE Transactions on Vehicular Technology, 2020, 69, 5850-5863.	3.9	70
210	Authenticated key management protocol for cloud-assisted body area sensor networks. Journal of Network and Computer Applications, 2018, 123, 112-126.	5.8	69
211	IoT-Enabled Gas Sensors: Technologies, Applications, and Opportunities. Journal of Sensor and Actuator Networks, 2019, 8, 57.	2.3	69
212	Machine Learning-Based Studentâ€™s Native Place Identification for Real-Time. IEEE Access, 2020, 8, 130840-130854.	2.6	69
213	An Efficient Spam Detection Technique for IoT Devices Using Machine Learning. IEEE Transactions on Industrial Informatics, 2021, 17, 903-912.	7.2	69
214	Cryptanalysis and improvement of an access control in user hierarchy based on elliptic curve cryptosystem. Information Sciences, 2012, 209, 80-92.	4.0	68
215	Secure Real-Time Traffic Data Aggregation With Batch Verification for Vehicular Cloud in VANETs. IEEE Transactions on Vehicular Technology, 2020, 69, 807-817.	3.9	68
216	A Novel Three-Factor Authentication Protocol for Wireless Sensor Networks With IoT Notion. IEEE Systems Journal, 2021, 15, 1120-1129.	2.9	68

#	Article	IF	Citations
217	Sensors for internet of medical things: State-of-the-art, security and privacy issues, challenges and future directions. Computer Communications, 2020, 160, 111-131.	3.1	68
218	An effective ECCâ€based user access control scheme with attributeâ€based encryption for wireless sensor networks. Security and Communication Networks, 2015, 8, 1752-1771.	1.0	67
219	FAAL: Fog computing-based patient monitoring system for ambient assisted living. , 2017, , .		67
220	Certificateless Provable Data Possession Scheme for Cloud-Based Smart Grid Data Management Systems. IEEE Transactions on Industrial Informatics, 2018, 14, 1232-1241.	7.2	67
221	Private blockchain-based access control mechanism for unauthorized UAV detection and mitigation in Internet of Drones environment. Computer Communications, 2021, 166, 91-109.	3.1	67
222	An efficient multi-party scheme for privacy preserving collaborative filtering for healthcare recommender system. Future Generation Computer Systems, 2018, 86, 297-307.	4.9	66
223	Blockchain-based batch authentication protocol for Internet of Vehicles. Journal of Systems Architecture, 2021, 113, 101877.	2.5	66
224	Verification and validation techniques for streaming big data analytics in internet of things environment. IET Networks, 2019, 8, 155-163.	1.1	65
225	Blockchain-Envisioned Softwarized Multi-Swarming UAVs to Tackle COVID-I9 Situations. IEEE Network, 2021, 35, 160-167.	4.9	65
226	Artificial intelligence-enabled Internet of Things-based system for COVID-19 screening using aerial thermal imaging. Future Generation Computer Systems, 2021, 124, 119-132.	4.9	65
227	An Efficient Hybrid Anomaly Detection Scheme Using K-Means Clustering for Wireless Sensor Networks. Wireless Personal Communications, 2016, 90, 1971-2000.	1.8	64
228	Cryptographic technologies and protocol standards for Internet of Things. Internet of Things (Netherlands), 2021, 14, 100075.	4.9	64
229	Bayesian coalition game for the internet of things: an ambient intelligence-based evaluation. , 2015, 53, 48-55.		63
230	SEAP: Secure and efficient authentication protocol for NFC applications using pseudonyms. IEEE Transactions on Consumer Electronics, 2016, 62, 30-38.	3.0	63
231	Design of an Anonymity-Preserving Group Formation Based Authentication Protocol in Global Mobility Networks. IEEE Access, 2018, 6, 20673-20693.	2.6	63
232	Fuzzy Detection System for Rumors Through Explainable Adaptive Learning. IEEE Transactions on Fuzzy Systems, 2021, 29, 3650-3664.	6.5	63
233	Providing Healthcare-as-a-Service Using Fuzzy Rule Based Big Data Analytics in Cloud Computing. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 1605-1618.	3.9	62
234	EnergyChain. , 2018, , .		62

#	Article	IF	Citations
235	Tactile Internet for Autonomous Vehicles: Latency and Reliability Analysis. IEEE Wireless Communications, 2019, 26, 66-72.	6.6	62
236	Design of Secure Authentication Protocol for Cloud-Assisted Telecare Medical Information System Using Blockchain. IEEE Access, 2020, 8, 192177-192191.	2.6	62
237	Backscatter-Enabled Efficient V2X Communication With Non-Orthogonal Multiple Access. IEEE Transactions on Vehicular Technology, 2021, 70, 1724-1735.	3.9	62
238	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
239	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
240	BIoTHR: Electronic Health Record Servicing Scheme in IoT-Blockchain Ecosystem. IEEE Internet of Things Journal, 2021, 8, 10857-10872.	5.5	61
241	S-shaped versus V-shaped transfer functions for binary Manta ray foraging optimization in feature selection problem. Neural Computing and Applications, 2021, 33, 11027-11041.	3.2	61
242	Design of Blockchain-Based Lightweight V2I Handover Authentication Protocol for VANET. IEEE Transactions on Network Science and Engineering, 2022, 9, 1346-1358.	4.1	61
243	TILAA: Tactile Internet-based Ambient Assistant Living in fog environment. Future Generation Computer Systems, 2019, 98, 635-649.	4.9	60
244	LA-MHR: Learning Automata Based Multilevel Heterogeneous Routing for Opportunistic Shared Spectrum Access to Enhance Lifetime of WSN. IEEE Systems Journal, 2019, 13, 313-323.	2.9	60
245	VAHAK: A Blockchain-based Outdoor Delivery Scheme using UAV for Healthcare 4.0 Services. , 2020, , .		60
246	EVaaS: Electric vehicle-as-a-service for energy trading in SDN-enabled smart transportation system. Computer Networks, 2018, 143, 247-262.	3.2	59
247	Ideal Lattice-Based Anonymous Authentication Protocol for Mobile Devices. IEEE Systems Journal, 2019, 13, 2775-2785.	2.9	59
248	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
249	Physically Secure Lightweight Anonymous User Authentication Protocol for Internet of Things Using Physically Unclonable Functions. IEEE Access, 2019, 7, 85627-85644.	2.6	58
250	Designing Secure User Authentication Protocol for Big Data Collection in IoT-Based Intelligent Transportation System. IEEE Internet of Things Journal, 2021, 8, 7727-7744.	5.5	58
251	Machine learning models and techniques for VANET based traffic management: Implementation issues and challenges. Peer-to-Peer Networking and Applications, 2021, 14, 1778-1805.	2.6	58
252	One-to-many authentication for access control in mobile pay-TV systems. Science China Information Sciences, 2016, 59, 1.	2.7	57

#	Article	IF	Citations
253	MVO-Based 2-D Path Planning Scheme for Providing Quality of Service in UAV Environment. IEEE Internet of Things Journal, 2018, 5, 1698-1707.	5.5	57
254	A systematic review on security issues in vehicular ad hoc network. Security and Privacy, 2018, 1, e39.	1.9	57
255	Human Arthritis Analysis in Fog Computing Environment Using Bayesian Network Classifier and Thread Protocol. IEEE Consumer Electronics Magazine, 2020, 9, 88-94.	2.3	57
256	An efficient data integrity auditing protocol for cloud computing. Future Generation Computer Systems, 2020, 109, 306-316.	4.9	57
257	Blockchain-Enabled Certificate-Based Authentication for Vehicle Accident Detection and Notification in Intelligent Transportation Systems. IEEE Sensors Journal, 2021, 21, 15824-15838.	2.4	57
258	Amassing the Security: An ECC-Based Authentication Scheme for Internet of Drones. IEEE Systems Journal, 2021, 15, 4431-4438.	2.9	57
259	A lightweight and anonymous RFID tag authentication protocol with cloud assistance for e-healthcare applications. Journal of Ambient Intelligence and Humanized Computing, 2018, 9, 919-930.	3.3	56
260	Ensuring Privacy and Security in E- Health Records. , 2018, , .		56
261	Cross Layer NOMA Interference Mitigation for Femtocell Users in 5G Environment. IEEE Transactions on Vehicular Technology, 2019, 68, 4721-4733.	3.9	56
262	Blockchainâ€assisted secure UAV communication in 6G environment: Architecture, opportunities, and challenges. IET Communications, 2021, 15, 1352-1367.	1.5	56
263	A secure authentication scheme with anonymity for session initiation protocol using elliptic curve cryptography. Multimedia Tools and Applications, 2015, 74, 3477-3488.	2.6	55
264	A Colored Petri Net Based Frequency Support Scheme Using Fleet of Electric Vehicles in Smart Grid Environment. IEEE Transactions on Power Systems, 2016, 31, 4638-4649.	4.6	55
265	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
266	MEnSuS: An efficient scheme for energy management with sustainability of cloud data centers in edgeâ€“cloud environment. Future Generation Computer Systems, 2018, 86, 1279-1300.	4.9	55
267	An efficient smart parking pricing system for smart city environment: A machine-learning based approach. Future Generation Computer Systems, 2020, 106, 622-640.	4.9	55
268	Deep-Reinforcement-Learning-Based Proportional Fair Scheduling Control Scheme for Underlay D2D Communication. IEEE Internet of Things Journal, 2021, 8, 3143-3156.	5.5	55
269	Performance analysis of Bayesian coalition game-based energy-aware virtual machine migration in vehicular mobile cloud. IEEE Network, 2015, 29, 62-69.	4.9	54
270	Lattice-Based Public Key Cryptosystem for Internet of Things Environment: Challenges and Solutions. IEEE Internet of Things Journal, 2019, 6, 4897-4909.	5.5	54

#	Article	IF	Citations
271	Private blockchain-envisioned drones-assisted authentication scheme in IoT-enabled agricultural environment. Computer Standards and Interfaces, 2022, 80, 103567.	3.8	54
272	A Hybrid Deep Reinforcement Learning For Autonomous Vehicles Smart-Platooning. IEEE Transactions on Vehicular Technology, 2021, 70, 13340-13350.	3.9	54
273	Lightweight authentication with keyâ€agreement protocol for mobile network environment using smart cards. IET Information Security, 2016, 10, 272-282.	1.1	53
274	IoV-SMAP: Secure and Efficient Message Authentication Protocol for IoV in Smart City Environment. IEEE Access, 2020, 8, 167875-167886.	2.6	53
275	Deep-Learning-Based Blockchain Framework for Secure Software-Defined Industrial Networks. IEEE Transactions on Industrial Informatics, 2021, 17, 606-616.	7.2	53
276	A Novel Resource Reservation Scheme for Mobile PHEVs in V2G Environment Using Game Theoretical Approach. IEEE Transactions on Vehicular Technology, 2015, 64, 5653-5666.	3.9	52
277	Convolutional neural networks for 5G-enabled Intelligent Transportation System : A systematic review. Computer Communications, 2020, 153, 459-498.	3.1	52
278	EEMHR: Energyâ€efficient multilevel heterogeneous routing protocol for wireless sensor networks. International Journal of Communication Systems, 2014, 27, 1289-1318.	1.6	51
279	Lightweight Cybersecurity Schemes Using Elliptic Curve Cryptography in Publish-Subscribe fog Computing. Mobile Networks and Applications, 2017, 22, 848-858.	2.2	51
280	A Secure Smartcard-Based Anonymous User Authentication Scheme for Healthcare Applications Using Wireless Medical Sensor Networks. Wireless Personal Communications, 2017, 94, 1899-1933.	1.8	51
281	Postpartum depression prediction through pregnancy data analysis for emotion-aware smart systems. Information Fusion, 2019, 47, 23-31.	11.7	51
282	Design of sinkhole node detection mechanism for hierarchical wireless sensor networks. Security and Communication Networks, 2016, 9, 4596-4614.	1.0	50
283	A Privacy-Preserving-Based Secure Framework Using Blockchain-Enabled Deep-Learning in Cooperative Intelligent Transport System. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 16492-16503.	4.7	50
284	ANTALG: An Innovative ACO based Routing Algorithm for MANETs. Journal of Network and Computer Applications, 2014, 45, 151-167.	5.8	49
285	Cooperation strategies for vehicular delay-tolerant networks. IEEE Communications Magazine, 2015, 53, 88-94.	4.9	49
286	Privacy-preserving certificateless provable data possession scheme for big data storage on cloud. Applied Mathematics and Computation, 2017, 314, 31-43.	1.4	49
287	Energy trading with dynamic pricing for electric vehicles in a smart city environment. Journal of Parallel and Distributed Computing, 2019, 127, 169-183.	2.7	49
288	LAKS-NVT: Provably Secure and Lightweight Authentication and Key Agreement Scheme Without Verification Table in Medical Internet of Things. IEEE Access, 2020, 8, 119387-119404.	2.6	49

#	Article	IF	Citations
289	Resource-Ability Assisted Service Function Chain Embedding and Scheduling for 6G Networks With Virtualization. IEEE Transactions on Vehicular Technology, 2021, 70, 3846-3859.	3.9	49
290	RAMP-IoD: A Robust Authenticated Key Management Protocol for the Internet of Drones. IEEE Internet of Things Journal, 2022, 9, 1339-1353.	5.5	49
291	Role of Areca Nut Induced TGF-Î² and Epithelial-Mesenchymal Interaction in the Pathogenesis of Oral Submucous Fibrosis. PLoS ONE, 2015, 10, e0129252.	1.1	48
292	QoS-Aware Hierarchical Web Caching Scheme for Online Video Streaming Applications in Internet-Based Vehicular Ad Hoc Networks. IEEE Transactions on Industrial Electronics, 2015, 62, 7892-7900.	5.2	48
293	A Multi-server Environment with Secure and Efficient Remote User Authentication Scheme Based on Dynamic ID Using Smart Cards. Wireless Personal Communications, 2017, 95, 2735-2767.	1.8	48
294	LDAKM-EIoT: Lightweight Device Authentication and Key Management Mechanism for Edge-Based IoT Deployment. Sensors, 2019, 19, 5539.	2.1	48
295	On the Design of Secure and Efficient Three-Factor Authentication Protocol Using Honey List for Wireless Sensor Networks. IEEE Access, 2020, 8, 107046-107062.	2.6	48
296	Blockchain-based royalty contract transactions scheme for Industry 4.0 supply-chain management. Information Processing and Management, 2021, 58, 102586.	5.4	48
297	EHE-LEACH: Enhanced heterogeneous LEACH protocol for lifetime enhancement of wireless SNs. , 2013, , .		47
298	Mobile Banking: Evolution and Threats: Malware Threats and Security Solutions. IEEE Consumer Electronics Magazine, 2019, 8, 56-60.	2.3	47
299	Tree-Based Attackâ€“Defense Model for Risk Assessment in Multi-UAV Networks. IEEE Consumer Electronics Magazine, 2019, 8, 35-41.	2.3	47
300	Designing Anonymous Signature-Based Authenticated Key Exchange Scheme for Internet of Things-Enabled Smart Grid Systems. IEEE Transactions on Industrial Informatics, 2021, 17, 4425-4436.	7.2	47
301	Authenticated Key Agreement Scheme With User Anonymity and Untraceability for 5G-Enabled Softwarized Industrial Cyber-Physical Systems. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 2316-2330.	4.7	47
302	Blockchain and quantum blind signature-based hybrid scheme for healthcare 5.0 applications. Journal of Information Security and Applications, 2021, 56, 102673.	1.8	47
303	Federated Learning Meets Human Emotions: A Decentralized Framework for Humanâ€“Computer Interaction for IoT Applications. IEEE Internet of Things Journal, 2021, 8, 6949-6962.	5.5	47
304	A Privacy-Preserving and Untraceable Group Data Sharing Scheme in Cloud Computing. IEEE Transactions on Dependable and Secure Computing, 2022, 19, 2198-2210.	3.7	46
305	LAPTAS: lightweight anonymous privacy-preserving three-factor authentication scheme for WSN-based IIoT. Wireless Networks, 2021, 27, 1389-1412.	2.0	46
306	A New Secure Data Dissemination Model in Internet of Drones. , 2019, , .		45

#	Article	IF	Citations
307	An efficient deep learning-based scheme for web spam detection in IoT environment. Future Generation Computer Systems, 2020, 108, 467-487.	4.9	45
308	An Efficient, Anonymous and Robust Authentication Scheme for Smart Home Environments. Sensors, 2020, 20, 1215.	2.1	45
309	Blockchainâ€based efficient communication for food supply chain industry: Transparency and traceability analysis for sustainable business. International Journal of Communication Systems, 2021, 34, e4696.	1.6	45
310	A Dynamic ID-Based Generic Framework for Anonymous Authentication Scheme for Roaming Service in Global Mobility Networks. Wireless Personal Communications, 2017, 93, 383-407.	1.8	44
311	A Heuristic-Based Smart HVAC Energy Management Scheme for University Buildings. IEEE Transactions on Industrial Informatics, 2018, 14, 5074-5086.	7.2	44
312	Bloom filter based optimization scheme for massive data handling in IoT environment. Future Generation Computer Systems, 2018, 82, 440-449.	4.9	44
313	A Dynamic Privacy-Preserving Key Management Protocol for V2G in Social Internet of Things. IEEE Access, 2019, 7, 76812-76832.	2.6	44
314	DIYA: Tactile Internet Driven Delay Assessment NOMA-Based Scheme for D2D Communication. IEEE Transactions on Industrial Informatics, 2019, 15, 6354-6366.	7.2	44
315	Certificateless searchable public key authenticated encryption with designated tester for cloud-assisted medical Internet of Things. Annales Des Telecommunications/Annals of Telecommunications, 2019, 74, 423-434.	1.6	44
316	Multiobjective Optimization for Frequency Support Using Electric Vehicles: An Aggregator-Based Hierarchical Control Mechanism. IEEE Systems Journal, 2019, 13, 771-782.	2.9	44
317	A Provably Secure and Lightweight Identity-Based Two-Party Authenticated Key Agreement Protocol for IIoT Environments. IEEE Systems Journal, 2021, 15, 1732-1741.	2.9	44
318	DCNN-GA: A Deep Neural Net Architecture for Navigation of UAV in Indoor Environment. IEEE Internet of Things Journal, 2021, 8, 4448-4460.	5.5	44
319	Private blockchain-envisioned security framework for AI-enabled IoT-based drone-aided healthcare services. , 2020, , .		44
320	Secure anonymity-preserving password-based user authentication and session key agreement scheme for telecare medicine information systems. Computer Methods and Programs in Biomedicine, 2016, 135, 167-185.	2.6	43
321	An enhanced and secure trustâ€extended authentication mechanism for vehicular adâ€hoc networks. Security and Communication Networks, 2016, 9, 4255-4271.	1.0	43
322	Authentication protocols for the internet of drones: taxonomy, analysis and future directions. Journal of Ambient Intelligence and Humanized Computing, 0, , 1.	3.3	43
323	Fuzzy-Folded Bloom Filter-as-a-Service for Big Data Storage in the Cloud. IEEE Transactions on Industrial Informatics, 2019, 15, 2338-2348.	7.2	43
324	Image watermarking using soft computing techniques: A comprehensive survey. Multimedia Tools and Applications, 2021, 80, 30367-30398.	2.6	43

#	Article	IF	Citations
325	Providing healthcare services on-the-fly using multi-player cooperation game theory in Internet of Vehicles (IoV) environment. Digital Communications and Networks, 2015, 1, 191-203.	2.7	42
326	A unified framework for big data acquisition, storage, and analytics for demand response management in smart cities. Future Generation Computer Systems, 2020, 108, 921-934.	4.9	42
327	An Efficient Blockchain-Based Authentication Scheme for Energy-Trading in V2G Networks. IEEE Transactions on Industrial Informatics, 2021, 17, 6971-6980.	7.2	42
328	A Consortium Blockchain-Based Energy Trading for Demand Response Management in Vehicle-to-Grid. IEEE Transactions on Vehicular Technology, 2021, 70, 9480-9494.	3.9	42
329	Capacity and interference aware link scheduling with channel assignment in wireless mesh networks. Journal of Network and Computer Applications, 2011, 34, 30-38.	5.8	41
330	A Secure User Anonymity-Preserving Three-Factor Remote User Authentication Scheme for the Telecare Medicine Information Systems. Journal of Medical Systems, 2015, 39, 30.	2.2	41
331	A Secure Group-Based Blackhole Node Detection Scheme for Hierarchical Wireless Sensor Networks. Wireless Personal Communications, 2017, 94, 1165-1191.	1.8	41
332	Molecular Binding Mechanism and Pharmacology Comparative Analysis of Noscapine for Repurposing against SARS-CoV-2 Protease. Journal of Proteome Research, 2020, 19, 4678-4689.	1.8	41
333	Toward Energy-Oriented Optimization for Green Communication in Sensor Enabled IoT Environments. IEEE Systems Journal, 2020, 14, 4663-4673.	2.9	41
334	A Tutorial and Future Research for Building a Blockchain-Based Secure Communication Scheme for Internet of Intelligent Things. IEEE Access, 2020, 8, 88700-88716.	2.6	41
335	An Efficient and Secure Certificate-Based Access Control and Key Agreement Scheme for Flying Ad-Hoc Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 4839-4851.	3.9	41
336	FedDPGAN: Federated Differentially Private Generative Adversarial Networks Framework for the Detection of COVID-19 Pneumonia. Information Systems Frontiers, 2021, 23, 1403-1415.	4.1	41
337	Home-based exercise system for patients using IoT enabled smart speaker. , 2017, , .		40
338	2PAKEP: Provably Secure and Efficient Two-Party Authenticated Key Exchange Protocol for Mobile Environment. IEEE Access, 2018, 6, 30225-30241.	2.6	40
339	Stackelberg Game for Energy-Aware Resource Allocation to Sustain Data Centers Using RES. IEEE Transactions on Cloud Computing, 2019, 7, 1109-1123.	3.1	40
340	Efficient Power-Splitting and Resource Allocation for Cellular V2X Communications. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 3547-3556.	4.7	40
341	Space-Air-Ground Integrated Multi-Domain Network Resource Orchestration Based on Virtual Network Architecture: A DRL Method. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 2798-2808.	4.7	40
342	Private blockchain-envisioned multi-authority CP-ABE-based user access control scheme in IIoT. Computer Communications, 2021, 169, 99-113.	3.1	40

#	Article	IF	Citations
343	Security in 5G-Enabled Internet of Things Communication: Issues, Challenges, and Future Research Roadmap. IEEE Access, 2021, 9, 4466-4489.	2.6	40
344	Provably secure biometricâ€based user authentication and key agreement scheme in cloud computing. Security and Communication Networks, 2016, 9, 4103-4119.	1.0	39
345	VaCoChain: Blockchain-Based 5G-Assisted UAV Vaccine Distribution Scheme for Future Pandemics. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 1997-2007.	3.9	39
346	Secure and Efficient Honey List-Based Authentication Protocol for Vehicular Ad Hoc Networks. IEEE Transactions on Network Science and Engineering, 2021, 8, 2412-2425.	4.1	39
347	A Novel Chaotic Maps-Based User Authentication and Key Agreement Protocol for Multi-server Environments with Provable Security. Wireless Personal Communications, 2016, 89, 569-597.	1.8	38
348	Robust Anonymous Mutual Authentication Scheme for <italic>n</italic>-Times Ubiquitous Mobile Cloud Computing Services. IEEE Internet of Things Journal, 2017, 4, 1764-1772.	5.5	38
349	Design of a secure anonymity-preserving authentication scheme for session initiation protocol using elliptic curve cryptography. Journal of Ambient Intelligence and Humanized Computing, 2018, 9, 643-653.	3.3	38
350	Lightweight Searchable Public-Key Encryption with Forward Privacy over IIoT Outsourced Data. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 1753-1764.	3.2	38
351	AdaptFlow: Adaptive Flow Forwarding Scheme for Software-Defined Industrial Networks. IEEE Internet of Things Journal, 2020, 7, 5843-5851.	5.5	38
352	Toward Tailored Resource Allocation of Slices in 6G Networks With Softwarization and Virtualization. IEEE Internet of Things Journal, 2022, 9, 6623-6637.	5.5	38
353	Block-CLAP: Blockchain-Assisted Certificateless Key Agreement Protocol for Internet of Vehicles in Smart Transportation. IEEE Transactions on Vehicular Technology, 2021, 70, 8092-8107.	3.9	38
354	A Taxonomy of Security Issues in Industrial Internet-of-Things: Scoping Review for Existing Solutions, Future Implications, and Research Challenges. IEEE Access, 2021, 9, 25344-25359.	2.6	38
355	IoT Network Traffic Classification Using Machine Learning Algorithms: An Experimental Analysis. IEEE Internet of Things Journal, 2022, 9, 989-1008.	5.5	38
356	An efficient ECC-based privacy-preserving client authentication protocol with key agreement using smart card. Journal of Information Security and Applications, 2015, 21, 1-19.	1.8	37
357	A more secure and privacyâ€aware anonymous user authentication scheme for distributed mobile cloud computing environments. Security and Communication Networks, 2016, 9, 4650-4666.	1.0	37
358	Deep Learning-Based Content Centric Data Dissemination Scheme for Internet of Vehicles. , 2018, , .		37
359	PharmaCrypt: Blockchain for Critical Pharmaceutical Industry to Counterfeit Drugs. Computer, 2020, 53, 29-44.	1.2	37
360	Detection of Low-Frequency and Multi-Stage Attacks in Industrial Internet of Things. IEEE Transactions on Vehicular Technology, 2020, 69, 8820-8831.	3.9	37

#	Article	IF	Citations
361	An Enhanced Biometric Based Authentication with Key-Agreement Protocol for Multi-Server Architecture Based on Elliptic Curve Cryptography. PLoS ONE, 2016, 11, e0154308.	1.1	37
362	A secure password-based authentication and key agreement scheme using smart cards. Journal of Information Security and Applications, 2015, 23, 28-43.	1.8	36
363	DPTR: Distributed priority tree-based routing protocol for FANETs. Computer Communications, 2018, 122, 129-151.	3.1	36
364	Blind Signatures Based Secured E-Healthcare System. , 2018, , .		36
365	A Heuristic-Based Appliance Scheduling Scheme for Smart Homes. IEEE Transactions on Industrial Informatics, 2020, 16, 3242-3255.	7.2	36
366	Blockchain for precision irrigation: Opportunities and challenges. Transactions on Emerging Telecommunications Technologies, 2022, 33, e4059.	2.6	36
367	On the Design of Blockchain-Based Access Control Protocol for IoT-Enabled Healthcare Applications. , 2020, , .		36
368	DeTrAs: deep learning-based healthcare framework for IoT-based assistance of Alzheimer patients. Neural Computing and Applications, 0, , 1.	3.2	36
369	Access Control Protocol for Battlefield Surveillance in Drone-Assisted IoT Environment. IEEE Internet of Things Journal, 2022, 9, 2708-2721.	5.5	36
370	Provably Secure and Efficient Authentication Protocol for Roaming Service in Global Mobility Networks. IEEE Access, 2017, 5, 25110-25125.	2.6	35
371	SWIPT-Enabled D2D Communication Underlaying NOMA-Based Cellular Networks in Imperfect CSI. IEEE Transactions on Vehicular Technology, 2021, 70, 692-699.	3.9	35
372	Energy Consumption Minimization Scheme for NOMA-Based Mobile Edge Computation Networks Underlaying UAV. IEEE Systems Journal, 2021, 15, 5724-5733.	2.9	35
373	Blockchain-based Secure and Intelligent Sensing Scheme for Autonomous Vehicles Activity Tracking Beyond 5G Networks. Peer-to-Peer Networking and Applications, 2021, 14, 2757-2774.	2.6	35
374	Rotating behind Privacy: An Improved Lightweight Authentication Scheme for Cloud-based IoT Environment. ACM Transactions on Internet Technology, 2021, 21, 1-19.	3.0	35
375	P2SF-IoV: A Privacy-Preservation-Based Secured Framework for Internet of Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 22571-22582.	4.7	35
376	Communication-Efficient Federated Learning for Anomaly Detection in Industrial Internet of Things. , 2020, , .		35
377	Security in IoT-enabled smart agriculture: architecture, security solutions and challenges. Cluster Computing, 2023, 26, 879-902.	3.5	35
378	LA-EEHSC: Learning automata-based energy efficient heterogeneous selective clustering for wireless sensor networks. Journal of Network and Computer Applications, 2014, 46, 264-279.	5.8	34

#	Article	IF	Citations
379	Mobile cloud networking for efficient energy management in smart grid cyber-physical systems. IEEE Wireless Communications, 2016, 23, 100-108.	6.6	34
380	Authentication Protocols for Implantable Medical Devices: Taxonomy, Analysis and Future Directions. IEEE Consumer Electronics Magazine, 2018, 7, 57-65.	2.3	34
381	Provably Secure Multi-Server Authentication Protocol Using Fuzzy Commitment. IEEE Access, 2018, 6, 38578-38594.	2.6	34
382	CB-CAS: Certificate-Based Efficient Signature Scheme With Compact Aggregation for Industrial Internet of Things Environment. IEEE Internet of Things Journal, 2020, 7, 2563-2572.	5.5	34
383	On the design of biometric-based user authentication protocol in smart city environment. Pattern Recognition Letters, 2020, 138, 439-446.	2.6	34
384	BLWN: Blockchain-Based Lightweight Simplified Payment Verification in IoT-Assisted e-Healthcare. IEEE Systems Journal, 2021, 15, 134-145.	2.9	34
385	Privacy-Preserving Implicit Authentication Protocol Using Cosine Similarity for Internet of Things. IEEE Internet of Things Journal, 2021, 8, 5599-5606.	5.5	34
386	A Novel Lightweight Authentication Protocol for Emergency Vehicle Avoidance in VANETs. IEEE Internet of Things Journal, 2021, 8, 14248-14257.	5.5	34
387	Blockchain-Based Attack Detection on Machine Learning Algorithms for IoT-Based e-Health Applications. IEEE Internet of Things Magazine, 2021, 4, 30-33.	2.0	34
388	ELACCA: Efficient Learning Automata Based Cell Clustering Algorithm for Wireless Sensor Networks. Wireless Personal Communications, 2013, 73, 1495-1512.	1.8	33
389	A secure lightweight authentication scheme with user anonymity for roaming service in ubiquitous networks. Security and Communication Networks, 2016, 9, 4192-4209.	1.0	33
390	Bayesian Coalition Negotiation Game as a Utility for Secure Energy Management in a Vehicles-to-Grid Environment. IEEE Transactions on Dependable and Secure Computing, 2016, 13, 133-145.	3.7	33
391	On the Design of Fine Grained Access Control With User Authentication Scheme for Telecare Medicine Information Systems. IEEE Access, 2017, 5, 7012-7030.	2.6	33
392	SDN-based energy management scheme for sustainability of data centers: An analysis on renewable energy sources and electric vehicles participation. Journal of Parallel and Distributed Computing, 2018, 117, 228-245.	2.7	33
393	EDCSuS: Sustainable Edge Data Centers as a Service in SDN-Enabled Vehicular Environment. IEEE Transactions on Sustainable Computing, 2022, 7, 263-276.	2.2	33
394	Internet of energy-based demand response management scheme for smart homes and PHEVs using SVM. Future Generation Computer Systems, 2020, 108, 1058-1068.	4.9	33
395	A Novel Pairing-Free Lightweight Authentication Protocol for Mobile Cloud Computing Framework. IEEE Systems Journal, 2021, 15, 3664-3672.	2.9	33
396	Dynamic Virtual Network Embedding Algorithm Based on Graph Convolution Neural Network and Reinforcement Learning. IEEE Internet of Things Journal, 2022, 9, 9389-9398.	5.5	33

#	Article	IF	Citations
397	Lightweight authentication protocols for wearable devices. Computers and Electrical Engineering, 2017, 63, 196-208.	3.0	32
398	On the design of a secure user authentication and key agreement scheme for wireless sensor networks. Concurrency Computation Practice and Experience, 2017, 29, e3930.	1.4	32
399	ITSSAKA-MS: An Improved Three-Factor Symmetric-Key Based Secure AKA Scheme for Multi-Server Environments. IEEE Access, 2020, 8, 107993-108003.	2.6	32
400	CDP-UA: Cognitive Data Processing Method Wearable Sensor Data Uncertainty Analysis in the Internet of Things Assisted Smart Medical Healthcare Systems. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 3691-3699.	3.9	32
401	Intelligent Security Performance Prediction for IoT-Enabled Healthcare Networks Using an Improved CNN. IEEE Transactions on Industrial Informatics, 2022, 18, 2063-2074.	7.2	32
402	Networks of learning automata for the vehicular environment: a performance analysis study. IEEE Wireless Communications, 2014, 21, 41-47.	6.6	31
403	An IoT and Edge Computing Based Framework for Charge Scheduling and EV Selection in V2G Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 10569-10580.	3.9	31
404	Efficient Certificateless Aggregate Signature Scheme for Performing Secure Routing in VANETs. Security and Communication Networks, 2020, 2020, 1-12.	1.0	31
405	Multi-Authority CP-ABE-Based user access control scheme with constant-size key and ciphertext for IoT deployment. Journal of Information Security and Applications, 2020, 53, 102503.	1.8	31
406	An Intelligent Terminal Based Privacy-Preserving Multi-Modal Implicit Authentication Protocol for Internet of Connected Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 3939-3951.	4.7	31
407	A Survey on Energy Trading in the Smart Grid: Taxonomy, Research Challenges and Solutions. IEEE Access, 2021, 9, 116231-116253.	2.6	31
408	Throughput Guarantees for Multi-Cell Wireless Powered Communication Networks With Non-Orthogonal Multiple Access. IEEE Transactions on Vehicular Technology, 2022, 71, 12104-12116.	3.9	31
409	An intelligent clustering scheme for distributed intrusion detection in vehicular cloud computing. Cluster Computing, 2015, 18, 1263-1283.	3.5	30
410	An enhanced multiâ€server authentication protocol using password and smartâ€card: cryptanalysis and design. Security and Communication Networks, 2016, 9, 4615-4638.	1.0	30
411	A new two-server authentication and key agreement protocol for accessing secure cloud services. Computer Networks, 2018, 131, 144-164.	3.2	30
412	An Ensembled Scheme for QoS-Aware Traffic Flow Management in Software Defined Networks. , 2018, , .		30
413	SDN-Based Internet of Autonomous Vehicles: An Energy-Efficient Approach for Controller Placement. IEEE Wireless Communications, 2019, 26, 72-79.	6.6	30
414	Probabilistic data structures for big data analytics: A comprehensive review. Knowledge-Based Systems, 2020, 188, 104987.	4.0	30

#	Article	IF	Citations
415	Designing Efficient Sinkhole Attack Detection Mechanism in Edge-Based IoT Deployment. Sensors, 2020, 20, 1300.	2.1	30
416	Vision-based personalized Wireless Capsule Endoscopy for smart healthcare: Taxonomy, literature review, opportunities and challenges. Future Generation Computer Systems, 2020, 113, 266-280.	4.9	30
417	Blockchain management and machine learning adaptation for IoT environment in 5G and beyond networks: A systematic review. Computer Communications, 2021, 178, 37-63.	3.1	30
418	Cognitive radio-based clustering for opportunistic shared spectrum access to enhance lifetime of wireless sensor network. Pervasive and Mobile Computing, 2015, 22, 90-112.	2.1	29
419	A Secure and Robust User Authenticated Key Agreement Scheme for Hierarchical Multi-medical Server Environment in TMIS. Journal of Medical Systems, 2015, 39, 92.	2.2	29
420	QoS-Aware Data Dissemination for Dense Urban Regions in Vehicular Ad Hoc Networks. Mobile Networks and Applications, 2015, 20, 773-780.	2.2	29
421	A privacyâ€aware twoâ€factor authentication protocol based on elliptic curve cryptography for wireless sensor networks. International Journal of Network Management, 2017, 27, e1937.	1.4	29
422	CR-NOMA Based Interference Mitigation Scheme for 5G Femtocells Users. , 2018, , .		29
423	ET-DeaL: A P2P Smart Contract-based Secure Energy Trading Scheme for Smart Grid Systems. , 2020, , .		29
424	An efficient and provable certificate-based proxy signature scheme for IIoT environment. Information Sciences, 2020, 518, 142-156.	4.0	29
425	Blockchain 2.0: Smart contracts. Advances in Computers, 2021, 121, 301-322.	1.2	29
426	Security in Next Generation Mobile Payment Systems: A Comprehensive Survey. IEEE Access, 2021, 9, 115932-115950.	2.6	29
427	Secure pseudonym-based near field communication protocol for the consumer internet of things. IEEE Transactions on Consumer Electronics, 2015, 61, 56-62.	3.0	28
428	Cooperative Strategies for Challenged Networks and Applications: A Survey. IEEE Systems Journal, 2017, 11, 2749-2760.	2.9	28
429	RADâ€EI: A routing attack detection scheme for edgeâ€based Internet of Things environment. International Journal of Communication Systems, 2019, 32, e4024.	1.6	28
430	Smart Stock Exchange Market: A Secure Predictive Decentralized Model. , 2019, , .		28
431	A Reliable Data-Transmission Mechanism Using Blockchain in Edge Computing Scenarios. IEEE Internet of Things Journal, 2022, 9, 14228-14236.	5.5	28
432	An Energy-Efficient Resource Allocation Scheme for SWIPT-NOMA Based Femtocells Users With Imperfect CSI. IEEE Transactions on Vehicular Technology, 2020, 69, 7790-7805.	3.9	28

#	Article	IF	Citations
433	A Probabilistic Data Structures-Based Anomaly Detection Scheme for Software-Defined Internet of Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 3557-3566.	4.7	28
434	Cross-Layer Interference Management Scheme for D2D Mobile Users Using NOMA. IEEE Systems Journal, 2021, 15, 3109-3120.	2.9	28
435	A Security- and Privacy-Preserving Approach Based on Data Disturbance for Collaborative Edge Computing in Social IoT Systems. IEEE Transactions on Computational Social Systems, 2022, 9, 97-108.	3.2	28
436	Federated Learning and Autonomous UAVs for Hazardous Zone Detection and AQI Prediction in IoT Environment. IEEE Internet of Things Journal, 2021, 8, 15456-15467.	5.5	28
437	An intrusion detection system using optimized deep neural network architecture. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4221.	2.6	28
438	A novel and efficient user access control scheme for wireless body area sensor networks. Journal of King Saud University - Computer and Information Sciences, 2014, 26, 181-201.	2.7	27
439	An efficient biometricâ€based privacyâ€preserving threeâ€party authentication with key agreement protocol using smart cards. Security and Communication Networks, 2015, 8, 4136-4156.	1.0	27
440	Analysis of Security Protocols for Mobile Healthcare. Journal of Medical Systems, 2016, 40, 229.	2.2	27
441	DLRS: Deep Learning-Based Recommender System for Smart Healthcare Ecosystem. , 2019, , .		27
442	PFCBAS: Pairing Free and Provable Certificate-Based Aggregate Signature Scheme for the e-Healthcare Monitoring System. IEEE Systems Journal, 2020, 14, 1704-1715.	2.9	27
443	A Flexible Permission Ascription (FPA)-Based Blockchain Framework for Peer-to-Peer Energy Trading With Performance Evaluation. IEEE Transactions on Industrial Informatics, 2022, 18, 2465-2475.	7.2	27
444	A new handover authentication protocol based on bilinear pairing functions for wireless networks. International Journal of Ad Hoc and Ubiquitous Computing, 2015, 18, 67.	0.3	26
445	Device-to-device content caching techniques in 5G: A taxonomy, solutions, and challenges. Computer Communications, 2020, 153, 48-84.	3.1	26
446	DSCD: Delay Sensitive Cross-Domain Virtual Network Embedding Algorithm. IEEE Transactions on Network Science and Engineering, 2020, 7, 2913-2925.	4.1	26
447	Mechanistic interaction of triflate based noscapine ionic liquid with BSA: Spectroscopic and chemoinformatics approaches. Journal of Molecular Liquids, 2020, 315, 113695.	2.3	26
448	IoT Enabled real-Time urban transport management system. Computers and Electrical Engineering, 2020, 86, 106746.	3.0	26
449	SecBCS: a secure and privacy-preserving blockchain-based crowdsourcing system. Science China Information Sciences, 2020, 63, 1.	2.7	26
450	CoMHisP: A Novel Feature Extractor for Histopathological Image Classification Based on Fuzzy SVM With Within-Class Relative Density. IEEE Transactions on Fuzzy Systems, 2021, 29, 103-117.	6.5	26

#	Article	IF	Citations
451	Towards sustainable smart cities: A secure and scalable trading system for residential homes using blockchain and artificial intelligence. Sustainable Cities and Society, 2022, 76, 103371.	5.1	26
452	PFLUA-DIoT: A Pairing Free Lightweight and Unlinkable User Access Control Scheme for Distributed IoT Environments. IEEE Systems Journal, 2022, 16, 309-316.	2.9	26
453	An anonymous and secure biometricâ€based enterprise digital rights management system for mobile environment. Security and Communication Networks, 2015, 8, 3383-3404.	1.0	25
454	SDN-Based Data Center Energy Management System Using RES and Electric Vehicles. , 2016, , .		25
455	ReIDD: reliability-aware intelligent data dissemination protocol for broadcast storm problem in vehicular ad hoc networks. Telecommunication Systems, 2017, 64, 439-458.	1.6	25
456	An enhanced mutual authentication and key agreement scheme for mobile user roaming service in global mobility networks. Annales Des Telecommunications/Annals of Telecommunications, 2017, 72, 131-144.	1.6	25
457	DRUMS: Demand Response Management in a Smart City Using Deep Learning and SVR. , 2018, , .		25
458	LOADS: Load Optimization and Anomaly Detection Scheme for Software-Defined Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 12329-12344.	3.9	25
459	KiRTi: A Blockchain-Based Credit Recommender System for Financial Institutions. IEEE Transactions on Network Science and Engineering, 2021, 8, 1044-1054.	4.1	25
460	AI-Enabled Blockchain-Based Access Control for Malicious Attacks Detection and Mitigation in IoE. IEEE Consumer Electronics Magazine, 2021, 10, 82-92.	2.3	25
461	Designing Authenticated Key Management Scheme in 6G-Enabled Network in a Box Deployed for Industrial Applications. IEEE Transactions on Industrial Informatics, 2021, 17, 7174-7184.	7.2	25
462	AI and Blockchain-Based Cloud-Assisted Secure Vaccine Distribution and Tracking in IoMT-Enabled COVID-19 Environment. IEEE Internet of Things Magazine, 2021, 4, 26-32.	2.0	25
463	MedBlock: An AI-enabled and Blockchain-driven Medical Healthcare System for COVID-19. , 2021, , .		25
464	An effective group-based key establishment scheme for large-scale wireless sensor networks using bivariate polynomials. , 2008, , .		24
465	Collaborative-Learning-Automata-Based Channel Assignment With Topology Preservation for Wireless Mesh Networks Under QoS Constraints. IEEE Systems Journal, 2015, 9, 675-685.	2.9	24
466	On the security of a certificateless online/offline signcryption for Internet of Things. Peer-to-Peer Networking and Applications, 2015, 8, 881-885.	2.6	24
467	Energy-Efficient Multimedia Data Dissemination in Vehicular Clouds: Stochastic-Reward-Nets-Based Coalition Game Approach. IEEE Systems Journal, 2016, 10, 847-858.	2.9	24
468	On the design of secure user authenticated key management scheme for multigatewayâ€based wireless sensor networks using ECC. International Journal of Communication Systems, 2018, 31, e3514.	1.6	24

#	Article	IF	Citations
469	DwaRa: A Deep Learning-Based Dynamic Toll Pricing Scheme for Intelligent Transportation Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 12510-12520.	3.9	24
470	FPGA for 5G: Re-configurable Hardware for Next Generation Communication. IEEE Wireless Communications, 2020, 27, 140-147.	6.6	24
471	Blockchain-Based Massive Data Dissemination Handling in IIoT Environment. IEEE Network, 2021, 35, 318-325.	4.9	24
472	Softwareâ€defined networking security for private data center networks and clouds: Vulnerabilities, attacks, countermeasures, and solutions. International Journal of Communication Systems, 2021, 34, e4706.	1.6	24
473	Dynamic Task Placement for Deadline-Aware IoT Applications in Federated Fog Networks. IEEE Internet of Things Journal, 2022, 9, 1469-1478.	5.5	24
474	Securing Internet of Drones With Identity-Based Proxy Signcryption. IEEE Access, 2021, 9, 89133-89142.	2.6	24
475	HeDI: Healthcare Device Interoperability for IoT-Based e-Health Platforms. IEEE Internet of Things Journal, 2021, 8, 16845-16852.	5.5	24
476	PFIN: An Efficient Particle Filter-Based Indoor Navigation Framework for UAVs. IEEE Transactions on Vehicular Technology, 2021, 70, 4984-4992.	3.9	24
477	Multipath TCP Meets Transfer Learning: A Novel Edge-Based Learning for Industrial IoT. IEEE Internet of Things Journal, 2021, 8, 10299-10307.	5.5	24
478	ASCP-IoMT: AI-Enabled Lightweight Secure Communication Protocol for Internet of Medical Things. IEEE Access, 2022, 10, 57990-58004.	2.6	24
479	Analysis and Improvement of a Privacy-Aware Handover Authentication Scheme for Wireless Network. Wireless Personal Communications, 2017, 93, 523-541.	1.8	23
480	EnClass: Ensemble-Based Classification Model for Network Anomaly Detection in Massive Datasets. , 2017, , .		23
481	Cognitive spammer: A Framework for PageRank analysis with Split by Over-sampling and Train by Under-fitting. Future Generation Computer Systems, 2019, 90, 381-404.	4.9	23
482	Probabilistic trust aware data replica placement strategy for online video streaming applications in vehicular delay tolerant networks. Mathematical and Computer Modelling, 2013, 58, 3-14.	2.0	22
483	An Effective and Secure Key-Management Scheme for Hierarchical Access Control in E-Medicine System. Journal of Medical Systems, 2013, 37, 9920.	2.2	22
484	Replication-Aware Data Dissemination for Vehicular Ad Hoc Networks using Location Determination. Mobile Networks and Applications, 2015, 20, 251-267.	2.2	22
485	An Effective and Robust Secure Remote User Authenticated Key Agreement Scheme Using Smart Cards in Wireless Communication Systems. Wireless Personal Communications, 2015, 84, 2571-2598.	1.8	22
486	An efficient energyâ€aware predictive clustering approach for vehicular ad hoc networks. International Journal of Communication Systems, 2017, 30, e2924.	1.6	22

#	Article	IF	Citations
487	SmartChain: A Smart and Scalable Blockchain Consortium for Smart Grid Systems. , 2019, , .		22
488	Fog Computing for 5G-Enabled Tactile Internet: Research Issues, Challenges, and Future Research Directions. Mobile Networks and Applications, 2023, 28, 690-717.	2.2	22
489	Blockchain as a Service for Software Defined Networks: A Denial of Service Attack Perspective. , 2019, , .		22
490	A provably secure dynamic ID-based authenticated key agreement framework for mobile edge computing without a trusted party. Journal of Information Security and Applications, 2020, 55, 102648.	1.8	22
491	A Blockchain-Based Proxy Re-Encryption With Equality Test for Vehicular Communication Systems. IEEE Transactions on Network Science and Engineering, 2021, 8, 2048-2059.	4.1	22
492	Secure Lending: Blockchain and Prospect Theory-Based Decentralized Credit Scoring Model. IEEE Transactions on Network Science and Engineering, 2020, 7, 2566-2575.	4.1	22
493	Human-in-the-Loop-Aided Privacy-Preserving Scheme for Smart Healthcare. IEEE Transactions on Emerging Topics in Computational Intelligence, 2022, 6, 6-15.	3.4	22
494	BC-EdgeFL: A Defensive Transmission Model Based on Blockchain-Assisted Reinforced Federated Learning in IIoT Environment. IEEE Transactions on Industrial Informatics, 2022, 18, 3551-3561.	7.2	22
495	Storage as a service in Fog computing : A systematic review. Journal of Systems Architecture, 2021, 116, 102033.	2.5	22
496	Blockchain and 5G integrated softwarized UAV network management: Architecture, solutions, and challenges. Physical Communication, 2021, 47, 101355.	1.2	22
497	Designing Fine-Grained Access Control for Software-Defined Networks Using Private Blockchain. IEEE Internet of Things Journal, 2022, 9, 1542-1559.	5.5	22
498	IoV Scenario: Implementation of a Bandwidth Aware Algorithm in Wireless Network Communication Mode. IEEE Transactions on Vehicular Technology, 2020, 69, 15774-15785.	3.9	22
499	Neural Network Based Energy Efficient Clustering and Routing in Wireless Sensor Networks. , 2009, , .		21
500	An ant based multi constraints QoS aware service selection algorithm in Wireless Mesh Networks. Simulation Modelling Practice and Theory, 2011, 19, 1933-1945.	2.2	21
501	Cryptanalysis and improvement of a certificateless signcryption scheme without bilinear pairing. Frontiers of Computer Science, 2014, 8, 656-666.	1.6	21
502	Optimized clustering for data dissemination using stochastic coalition game in vehicular cyber-physical systems. Journal of Supercomputing, 2015, 71, 3258-3287.	2.4	21
503	Cloud-Assisted Context-Aware Vehicular Cyber-Physical System for PHEVs in Smart Grid. IEEE Systems Journal, 2017, 11, 140-151.	2.9	21
504	HyClass: Hybrid Classification Model for Anomaly Detection in Cloud Environment. , 2018, , .		21

#	Article	IF	Citations
505	A Multi-Objective Optimization Scheme for Job Scheduling in Sustainable Cloud Data Centers. IEEE Transactions on Cloud Computing, 2022, 10, 172-186.	3.1	21
506	CB-PS: An Efficient Short-Certificate-Based Proxy Signature Scheme for UAVs. IEEE Systems Journal, 2020, 14, 621-632.	2.9	21
507	Third Eye: An Intelligent and Secure Route Planning Scheme for Critical Services Provisions in Internet of Vehicles Environment. IEEE Systems Journal, 2022, 16, 1217-1227.	2.9	21
508	Machine Learning-based Mist Computing Enabled Internet of Battlefield Things. ACM Transactions on Internet Technology, 2021, 21, 1-26.	3.0	21
509	A Robust Access Control Protocol for the Smart Grid Systems. IEEE Internet of Things Journal, 2022, 9, 6855-6865.	5.5	21
510	Blockchain for IoV in 6G environment: review solutions and challenges. Cluster Computing, 2022, 25, 1927-1955.	3.5	21
511	Cooperative Gateway Cache Invalidation Scheme for Internet-Based Vehicular Ad Hoc Networks. Wireless Personal Communications, 2015, 85, 1789-1814.	1.8	20
512	Compact Hardware Implementation of a SHA-3 Core for Wireless Body Sensor Networks. IEEE Access, 2018, 6, 40128-40136.	2.6	20
513	Towards green communication in wireless sensor network: GA enabled distributed zone approach. Ad Hoc Networks, 2019, 93, 101903.	3.4	20
514	A Privacy Preserving three-factor authenticated key agreement protocol for clientâ€“server environment. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 661-680.	3.3	20
515	Synthesis and characterization of novel 1,3-benzodioxole tagged noscapine based ionic liquids with in silico and in vitro cytotoxicity analysis on HeLa cells. Journal of Molecular Liquids, 2020, 302, 112525.	2.3	20
516	Green Computing in Software Defined Social Internet of Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 3644-3653.	4.7	20
517	DiLSe: Lattice-Based Secure and Dependable Data Dissemination Scheme for Social Internet of Vehicles. IEEE Transactions on Dependable and Secure Computing, 2021, 18, 2520-2534.	3.7	20
518	Deep Reinforcement Learning-Based Traffic Light Scheduling Framework for SDN-Enabled Smart Transportation System. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 2411-2421.	4.7	20
519	Fuzzy Logic in Surveillance Big Video Data Analysis. ACM Computing Surveys, 2022, 54, 1-33.	16.1	20
520	Resource Management and Security Scheme of ICPSs and IoT Based on VNE Algorithm. IEEE Internet of Things Journal, 2022, 9, 22071-22080.	5.5	20
521	A Blockchain and Edge-Computing-Based Secure Framework for Government Tender Allocation. IEEE Internet of Things Journal, 2021, 8, 2409-2418.	5.5	20
522	GaRuDa: A Blockchain-Based Delivery Scheme Using Drones for Healthcare 5.0 Applications. IEEE Internet of Things Magazine, 2021, 4, 60-66.	2.0	20

#	Article	IF	Citations
523	Lightweight Authentication Protocol for RFID-Enabled Systems Based on ECC. , 2016, , .		19
524	LaCSys: Lattice-Based Cryptosystem for Secure Communication in Smart Grid Environment. , 2018, , .		19
525	User authentication in a tactile internet based remote surgery environment: Security issues, challenges, and future research directions. Pervasive and Mobile Computing, 2019, 54, 71-85.	2.1	19
526	Probabilistic data structure-based community detection and storage scheme in online social networks. Future Generation Computer Systems, 2019, 94, 173-184.	4.9	19
527	Neural Style Palette: A Multimodal and Interactive Style Transfer From a Single Style Image. IEEE Transactions on Multimedia, 2021, 23, 2245-2258.	5.2	19
528	ISHU: Interference Reduction Scheme for D2D Mobile Groups Using Uplink NOMA. IEEE Transactions on Mobile Computing, 2022, 21, 3208-3224.	3.9	19
529	Towards Ultra Reliable Low Latency Multipath TCP for Connected Autonomous Vehicles. IEEE Transactions on Vehicular Technology, 2021, 70, 8175-8185.	3.9	19
530	An Identity Based Authentication Protocol for Smart Grid Environment Using Physical Uncloneable Function. IEEE Transactions on Smart Grid, 2021, 12, 4426-4434.	6.2	19
531	An Optimized Genetic Algorithm for Cluster Head Election Based on Movable Sinks and Adjustable Sensing Ranges in IoT-Based HWSNs. IEEE Internet of Things Journal, 2022, 9, 5027-5039.	5.5	19
532	An efficient random key distribution scheme for largeâ€scale distributed sensor networks. Security and Communication Networks, 2011, 4, 162-180.	1.0	18
533	Design of a secure smart card-based multi-server authentication scheme. Journal of Information Security and Applications, 2016, 30, 64-80.	1.8	18
534	Nature-Inspired Algorithm for Training Multilayer Perceptron Networks in e-health Environments for High-Risk Pregnancy Care. Journal of Medical Systems, 2018, 42, 51.	2.2	18
535	Data Consumption-Aware Load Forecasting Scheme for Smart Grid Systems. , 2018, , .		18
536	ElectroBlocks: A blockchainâ€based energy trading scheme for smart grid systems. International Journal of Communication Systems, 2020, 33, e4547.	1.6	18
537	An Energy-Efficient Modified Metaheuristic Inspired Algorithm for Disaster Management System Using WSNs. IEEE Sensors Journal, 2021, 21, 15398-15408.	2.4	18
538	Robust Authentication Protocol for Dynamic Charging System of Electric Vehicles. IEEE Transactions on Vehicular Technology, 2021, 70, 11338-11351.	3.9	18
539	Blockchain-Based Data Dissemination Scheme for 5G-Enabled Softwarized UAV Networks. IEEE Transactions on Green Communications and Networking, 2021, 5, 1712-1721.	3.5	18
540	Green computing in IoT: Time slotted simultaneous wireless information and power transfer. Computer Communications, 2021, 168, 155-169.	3.1	18

#	Article	IF	Citations
541	Blockchain for Diamond Industry: Opportunities and Challenges. IEEE Internet of Things Journal, 2021, 8, 8747-8773.	5.5	18
542	eDiaPredict: An Ensemble-based Framework for Diabetes Prediction. ACM Transactions on Multimedia Computing, Communications and Applications, 2021, 17, 1-26.	3.0	18
543	An enhanced lightweight and secured authentication protocol for vehicular ad-hoc network. Computer Communications, 2021, 177, 57-76.	3.1	18
544	Quantum Learning-Enabled Green Communication for Next-Generation Wireless Systems. IEEE Transactions on Green Communications and Networking, 2021, 5, 1015-1028.	3.5	18
545	AI-Envisioned Blockchain-Enabled Signature-Based Key Management Scheme for Industrial Cyberâ€“Physical Systems. IEEE Internet of Things Journal, 2022, 9, 6374-6388.	5.5	18
546	RUAM-IoD: A Robust User Authentication Mechanism for the Internet of Drones. IEEE Access, 2022, 10, 19836-19851.	2.6	18
547	Security and Trust Management in MANET. Communications in Computer and Information Science, 2011, , 384-387.	0.4	17
548	UBMR-CA: Utility-based multicast routing and channel assignment with varying traffic demands in multi-radio multi-channel wireless mesh networks. Mathematical and Computer Modelling, 2013, 57, 2750-2763.	2.0	17
549	GATA: GPS-Arduino based Tracking and Alarm system for protection of wildlife animals. , 2017, , .		17
550	HEAP: An Efficient and Fault-Tolerant Authentication and Key Exchange Protocol for Hadoop-Assisted Big Data Platform. IEEE Access, 2018, 6, 75342-75382.	2.6	17
551	Sec-IoV. , 2019, , .		17
552	Unmanned Aerial Vehicles in Consumer Applications: New Applications in Current and Future Smart Environments. IEEE Consumer Electronics Magazine, 2019, 8, 66-67.	2.3	17
553	DROpS: A demand response optimization scheme in SDN-enabled smart energy ecosystem. Information Sciences, 2019, 476, 453-473.	4.0	17
554	Data dimensionality reduction techniques for Industry 4.0: Research results, challenges, and future research directions. Software - Practice and Experience, 2022, 52, 658-688.	2.5	17
555	I-PVO based high capacity reversible data hiding using bin reservation strategy. Multimedia Tools and Applications, 2020, 79, 22635-22651.	2.6	17
556	A taxonomy of energy optimization techniques for smart cities: Architecture and future directions. Expert Systems, 2022, 39, e12703.	2.9	17
557	Routing protocols & unmanned aerial vehicles autonomous localization in flying networks. International Journal of Communication Systems, 0, , e4885.	1.6	17
558	B-IoMV: Blockchain-based onion routing protocol for D2D communication in an IoMV environment beyond 5G. Vehicular Communications, 2022, 33, 100401.	2.7	17

#	Article	IF	Citations
559	Space-Air-Ground Integrated Network Resource Allocation Based on Service Function Chain. IEEE Transactions on Vehicular Technology, 2022, 71, 7730-7738.	3.9	17
560	Deep Learning and Onion Routing-Based Collaborative Intelligence Framework for Smart Homes Underlying 6G Networks. IEEE Transactions on Network and Service Management, 2022, 19, 3401-3412.	3.2	17
561	An unconditionally secure key management scheme for large-scale heterogeneous wireless sensor networks. , 2009, , .		16
562	Achieving Quality of Service (QoS) Using Resource Allocation and Adaptive Scheduling in Cloud Computing with Grid Support. Computer Journal, 2014, 57, 281-290.	1.5	16
563	An efficient image retrieval scheme for colour enhancement of embedded and distributed surveillance images. Neurocomputing, 2016, 174, 413-430.	3.5	16
564	An adaptive cache invalidation technique for wireless environments. Telecommunication Systems, 2016, 62, 149-165.	1.6	16
565	Sensor Cloud Based Measurement to Management System for Precise Irrigation. , 2017, , .		16
566	Efficient and Secure Time-Key Based Single Sign-On Authentication for Mobile Devices. IEEE Access, 2017, 5, 27707-27721.	2.6	16
567	Smart Waste Bin: A New Approach for Waste Management in Large Urban Centers. , 2018, , .		16
568	A Range-Based Approach for Long-Term Forecast of Weather Using Probabilistic Markov Model. , 2018, , .		16
569	An Energy-driven Network Function Virtualization for Multi-domain Software Defined Networks. , 2019, , .		16
570	On the Design of Blockchain-Based Access Control Scheme for Software Defined Networks. , 2020, , .		16
571	URJA: Usage Jammer as a Resource Allocation for Secure Transmission in a CR-NOMA-Based 5G Femtocell System. IEEE Systems Journal, 2021, 15, 1776-1785.	2.9	16
572	Consortium blockchainâ€enabled access control mechanism in edge computing based generic Internet of Things environment. Transactions on Emerging Telecommunications Technologies, 2021, 32, e3995.	2.6	16
573	Cybertwin-Driven Resource Provisioning for IoE Applications at 6G-Enabled Edge Networks. IEEE Transactions on Industrial Informatics, 2022, 18, 4850-4858.	7.2	16
574	An Efficient Container Management Scheme for Resource-Constrained Intelligent IoT Devices. IEEE Internet of Things Journal, 2021, 8, 12597-12609.	5.5	16
575	An Efficient Privacy-Preserving Authenticated Key Establishment Protocol for Health Monitoring in Industrial Cyberâ€“Physical Systems. IEEE Internet of Things Journal, 2022, 9, 5142-5149.	5.5	16
576	Integrated Blockchain and Cloud Computing Systems: A Systematic Survey, Solutions, and Challenges. ACM Computing Surveys, 2022, 54, 1-36.	16.1	16

#	Article	IF	Citations
577	Intelligent Cooperative Collision Avoidance at Overtaking and Lane Changing Maneuver in 6G-V2X Communications. IEEE Transactions on Vehicular Technology, 2022, 71, 112-122.	3.9	16
578	A Biometric-Based User Authentication Scheme for Heterogeneous Wireless Sensor Networks. , 2013, , .		15
579	OANTALG: An Orientation Based Ant Colony Algorithm for Mobile Ad Hoc Networks. Wireless Personal Communications, 2014, 77, 1859-1884.	1.8	15
580	Minimizing Query Delay Using Co-operation in IVANET. Procedia Computer Science, 2015, 57, 84-90.	1.2	15
581	An Intelligent Context-aware Congestion Resolution Protocol for Data Dissemination in Vehicular Ad Hoc Networks. Mobile Networks and Applications, 2015, 20, 181-200.	2.2	15
582	Bayesian Coalition Game-based optimized clustering in Wireless Sensor Networks. , 2015, , .		15
583	Provably secure threeâ€factor authentication and key agreement scheme for session initiation protocol. Security and Communication Networks, 2016, 9, 5412-5431.	1.0	15
584	Exploring the interplay between autoimmunity and cancer to find the target therapeutic hotspots. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 658-668.	1.9	15
585	Detection and Classification of Complex Power Quality Disturbances Using Stockwell Transform and Rule Based Decision Tree. , 2018, , .		15
586	Secure Healthcare Data Dissemination Using Vehicle Relay Networks. IEEE Internet of Things Journal, 2018, 5, 3733-3746.	5.5	15
587	EnLoc: Data Locality-Aware Energy-Efficient Scheduling Scheme for Cloud Data Centers. , 2018, , .		15
588	Subchannel Assignment for SWIPT-NOMA based HetNet with Imperfect Channel State Information. , 2019, , .		15
589	Energy-Delay Tradeoff Scheme for NOMA-Based D2D Groups With WPCNs. IEEE Systems Journal, 2021, 15, 4768-4779.	2.9	15
590	Secure Storage Auditing With Efficient Key Updates for Cognitive Industrial IoT Environment. IEEE Transactions on Industrial Informatics, 2021, 17, 4238-4247.	7.2	15
591	A Collaborative Computational Offloading Strategy for Latency-Sensitive Applications in Fog Networks. IEEE Internet of Things Journal, 2022, 9, 4565-4572.	5.5	15
592	An Energy Efficient Scheme for WPCN-NOMA Based Device-to-Device Communication. IEEE Transactions on Vehicular Technology, 2021, 70, 11935-11948.	3.9	15
593	Artificial Intelligence Technologies for COVID-19-Like Epidemics: Methods and Challenges. IEEE Network, 2021, 35, 27-33.	4.9	15
594	SCBS: A Short Certificate-Based Signature Scheme With Efficient Aggregation for Industrial-Internet-of-Things Environment. IEEE Internet of Things Journal, 2021, 8, 9305-9316.	5.5	15

#	Article	IF	Citations
595	Lightweight Failover Authentication Mechanism for IoT-Based Fog Computing Environment. Electronics (Switzerland), 2021, 10, 1417.	1.8	15
596	PROTECTOR: An optimized deep learning-based framework for image spam detection and prevention. Future Generation Computer Systems, 2021, 125, 41-58.	4.9	15
597	iGCACS-IoD: An Improved Certificate-Enabled Generic Access Control Scheme for Internet of Drones Deployment. IEEE Access, 2021, 9, 87024-87048.	2.6	15
598	Î¾boost: An AI-Based Data Analytics Scheme for COVID-19 Prediction and Economy Boosting. IEEE Internet of Things Journal, 2021, 8, 15977-15989.	5.5	15
599	A GA-Based Sustainable and Secure Green Data Communication Method Using IoT-Enabled WSN in Healthcare. IEEE Internet of Things Journal, 2022, 9, 7481-7490.	5.5	15
600	Energy management scheme for wireless powered D2D users with NOMA underlaying full duplex UAV. , 2020, , .		15
601	When Blockchain Meets Edge Intelligence: Trusted and Security Solutions for Consumers. IEEE Network, 2021, 35, 272-278.	4.9	15
602	Dynamic Virtual Resource Allocation Mechanism for Survivable Services in Emerging NFV-Enabled Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 22492-22504.	4.7	15
603	An Efficient Vehicle-Assisted Aggregate Authentication Scheme for Infrastructure-Less Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 15590-15600.	4.7	15
604	Efficient provably secure password-based explicit authenticated key agreement. Pervasive and Mobile Computing, 2015, 24, 50-60.	2.1	14
605	An efficient scheme for automatic web pages categorization using the support vector machine. New Review of Hypermedia and Multimedia, 2016, 22, 223-242.	0.9	14
606	Secure public data auditing scheme for cloud storage in smart city. Personal and Ubiquitous Computing, 2017, 21, 949-962.	1.9	14
607	RoVAN: A Rough Set-based Scheme for Cluster Head Selection in Vehicular Ad-hoc Networks. , 2018, , .		14
608	A Preterm Birth Risk Prediction System for Mobile Health Applications Based on the Support Vector Machine Algorithm. , 2018, , .		14
609	Averaged one-dependence estimators on edge devices for smart pregnancy data analysis. Computers and Electrical Engineering, 2019, 77, 435-444.	3.0	14
610	Smart Grid Energy Management Using RNN-LSTM: A Deep Learning-Based Approach. , 2019, , .		14
611	An Adaptive Grid Frequency Support Mechanism for Energy Management in Cloud Data Centers. IEEE Systems Journal, 2020, 14, 1195-1205.	2.9	14
612	Vaccine Formulation and Optimization for Human Herpes Virus-5 through an Immunoinformatics Framework. ACS Pharmacology and Translational Science, 2020, 3, 1318-1329.	2.5	14

#	Article	IF	Citations
613	Secrecy Rate Maximization in Virtual-MIMO Enabled SWIPT for 5G Centric IoT Applications. IEEE Systems Journal, 2021, 15, 2810-2821.	2.9	14
614	Internet of Things Framework for Oxygen Saturation Monitoring in COVID-19 Environment. IEEE Internet of Things Journal, 2022, 9, 3631-3641.	5.5	14
615	Block6Tel: Blockchain-based Spectrum Allocation Scheme in 6G-envisioned Communications. , 2021, , .		14
616	A Multi-graph Convolutional Network Framework for Tourist Flow Prediction. ACM Transactions on Internet Technology, 2021, 21, 1-13.	3.0	14
617	Security preservation in industrial medical CPS using Chebyshev map: An AI approach. Future Generation Computer Systems, 2021, 122, 52-62.	4.9	14
618	Optimizing Resource Allocation for 6G NOMA-Enabled Cooperative Vehicular Networks. IEEE Open Journal of Intelligent Transportation Systems, 2021, 2, 269-281.	2.6	14
619	BioUAV. , 2020, , .		14
620	SCS-WoT: Secure Communication Scheme for Web of Things Deployment. IEEE Internet of Things Journal, 2022, 9, 10411-10423.	5.5	14
621	Cybertwin-Driven Federated Learning Based Personalized Service Provision for 6G-V2X. IEEE Transactions on Vehicular Technology, 2022, 71, 4632-4641.	3.9	14
622	BUAKA-CS: Blockchain-enabled user authentication and key agreement scheme for crowdsourcing system. Journal of Systems Architecture, 2022, 123, 102370.	2.5	14
623	6Blocks: 6G-enabled trust management scheme for decentralized autonomous vehicles. Computer Communications, 2022, 191, 53-68.	3.1	14
624	A survey on proactive routing protocols in MANETs. , 2014, , .		13
625	Expression profiling of genes modulated by estrogen, EGCG or both in MCF-7 breast cancer cells. Genomics Data, 2015, 5, 210-212.	1.3	13
626	A data analytical approach using support vector machine for demand response management in smart grid. , 2016, , .		13
627	An efficient fuzzy rule-based big data analytics scheme for providing healthcare-as-a-service. , 2017, , .		13
628	SPAMI: A cognitive spam protector for advertisement malicious images. Information Sciences, 2020, 540, 17-37.	4.0	13
629	Energy-Efficient Workflow Scheduling Using Container-Based Virtualization in Software-Defined Data Centers. IEEE Transactions on Industrial Informatics, 2020, 16, 7646-7657.	7.2	13
630	An Anonymous Certificateless Signcryption Scheme for Internet of Health Things. IEEE Access, 2021, 9, 101207-101216.	2.6	13

#	Article	IF	Citations
631	Res6Edge: An Edge-AI Enabled Resource Sharing Scheme for C-V2X Communications towards 6G. , 2021, , .		13
632	On the Security of a Secure and Lightweight Authentication Scheme for Next Generation IoT Infrastructure. IEEE Access, 2021, 9, 71856-71867.	2.6	13
633	Secure user authentication mechanism for IoT-enabled Wireless Sensor Networks based on multiple Bloom filters. Journal of Systems Architecture, 2021, 120, 102296.	2.5	13
634	Physical layer security using beamforming techniques for 5G and beyond networks: A systematic review. Physical Communication, 2022, 54, 101791.	1.2	13
635	A novel minimum delay maximum flow multicast algorithm to construct a multicast tree in wireless mesh networks. Computers and Mathematics With Applications, 2012, 63, 481-491.	1.4	12
636	An intelligent clustering algorithm for VANETs. , 2014, , .		12
637	A hybrid system to stimulate selfish nodes to cooperate in vehicular Delay-Tolerant Networks. , 2015, , .		12
638	A strongly secure pairing-free certificateless authenticated key agreement protocol suitable for smart media and mobile environments. Multimedia Tools and Applications, 2015, 74, 6365-6377.	2.6	12
639	User behavior analysis-based smart energy management for webpage ranking: Learning automata-based solution. Sustainable Computing: Informatics and Systems, 2018, 20, 174-191.	1.6	12
640	Data Security in the Smart Grid Environment. , 2019, , 371-395.		12
641	ClaMPP: a cloud-based multi-party privacy preserving classification scheme for distributed applications. Journal of Supercomputing, 2019, 75, 3046-3075.	2.4	12
642	Receiver Design to Employ Simultaneous Wireless Information and Power Transmission with Joint CFO and Channel Estimation. IEEE Access, 2019, 7, 9678-9687.	2.6	12
643	Energy Efficient Mode Selection Scheme for Wireless Powered D2D Communications with NOMA Underlaying UAV. , 2020, , .		12
644	Color image steganography scheme using gray invariant in AMBTC compression domain. Multidimensional Systems and Signal Processing, 2020, 31, 1145-1162.	1.7	12
645	Communication-Efficient Offloading for Mobile-Edge Computing in 5G Heterogeneous Networks. IEEE Internet of Things Journal, 2021, 8, 10237-10247.	5.5	12
646	Comments on â€œALAM: Anonymous Lightweight Authentication Mechanism for SDN Enabled Smart Homesâ€• IEEE Access, 2021, 9, 49154-49159.	2.6	12
647	GCMD: Genetic Correlation Multi-Domain Virtual Network Embedding Algorithm. IEEE Access, 2021, 9, 67167-67175.	2.6	12
648	On the Design of Lightweight and Secure Mutual Authentication System for Global Roaming in Resource-Limited Mobility Networks. IEEE Access, 2021, 9, 12879-12895.	2.6	12

#	Article	IF	Citations
649	HTFM: Hybrid Traffic-Flow Forecasting Model for Intelligent Vehicular Ad hoc Networks. , 2021, , .		12
650	Blockchain-Envisioned Trusted Random Oracles for IoT-Enabled Probabilistic Smart Contracts. IEEE Internet of Things Journal, 2021, 8, 14797-14809.	5.5	12
651	A Blockchain-Based Credibility Scoring Framework for Electronic Medical Records. , 2020, , .		12
652	Designing of a Novel Indoline Scaffold Based Antibacterial Compound and Pharmacological Evaluation Using Chemoinformatics Approach. Current Topics in Medicinal Chemistry, 2019, 18, 2056-2065.	1.0	12
653	Learning Automata-assisted Predictive Clustering approach for Vehicular Cyber-Physical System. Computers and Electrical Engineering, 2016, 52, 82-97.	3.0	11
654	An Internet of Things Tracking System Approach Based on LoRa Protocol. , 2018, , .		11
655	Markov Decision-Based Recommender System for Sleep Apnea Patients. , 2019, , .		11
656	HRIDaaY: Ballistocardiogram-Based Heart Rate Monitoring Using Fog Computing. , 2019, , .		11
657	PARC: Placement Availability Resilient Controller Scheme for Software-Defined Datacenters. IEEE Transactions on Vehicular Technology, 2020, 69, 8985-9001.	3.9	11
658	Basics of blockchain. Advances in Computers, 2021, 121, 129-146.	1.2	11
659	ALPHA: An Anonymous Orthogonal Code-Based Privacy Preserving Scheme for Industrial Cyberâ€“Physical Systems. IEEE Transactions on Industrial Informatics, 2021, 17, 7716-7724.	7.2	11
660	A novel approach to optimize the production cost of railway coaches of India using situational-based composite triangular and trapezoidal fuzzy LPP models. Complex & Intelligent Systems, 2021, 7, 2053.	4.0	11
661	Interference Mitigation and Secrecy Ensured for NOMA-Based D2D Communications Under Imperfect CSI. , 2021, , .		11
662	EVBlocks: A Blockchain-Based Secure Energy Trading Scheme for Electric Vehicles underlying 5G-V2X Ecosystems. Wireless Personal Communications, 2022, 127, 1943-1983.	1.8	11
663	A detailed introduction of different beamforming techniques used in 5G. International Journal of Communication Systems, 2021, 34, e4718.	1.6	11
664	Blockchain-Envisioned Secure Authentication Approach in AIoT: Applications, Challenges, and Future Research. Wireless Communications and Mobile Computing, 2021, 2021, 1-19.	0.8	11
665	SLAP: A Secure and Lightweight Authentication Protocol for machine-to-machine communication in industry 4.0. Computers and Electrical Engineering, 2022, 98, 107669.	3.0	11
666	Big data dimensionality reduction techniques in IoT: review, applications and open research challenges. Cluster Computing, 2022, 25, 4027-4049.	3.5	11

#	Article	IF	Citations
667	Fully Homomorphic Enabled Secure Task Offloading and Scheduling System for Transport Applications. IEEE Transactions on Vehicular Technology, 2022, 71, 12140-12153.	3.9	11
668	Capacity and load-aware service discovery with service selection in peer-to-peer grids. Future Generation Computer Systems, 2012, 28, 1090-1099.	4.9	10
669	Concurrent multipath transmission with forward error correction mechanism to overcome burst packet losses for delay-sensitive video streaming in wireless home networks. Multimedia Tools and Applications, 2013, 65, 201-220.	2.6	10
670	Gray level enhancement to emphasize less dynamic region within image using genetic algorithm. , 2013, , .		10
671	A Secure and Scalable Group Access Control Scheme for Wireless Sensor Networks. Wireless Personal Communications, 2015, 85, 1765-1788.	1.8	10
672	A real-time smart charging station for EVs designed for V2G scenario and its coordination with renewable energy sources. , 2016, , .		10
673	A security-enhanced authentication with key agreement scheme for wireless mobile communications using elliptic curve cryptosystem. Journal of Supercomputing, 2016, 72, 3588-3600.	2.4	10
674	Detection and Classification of Transmission Line Faults Using Stockwell Transform and Rule Based Decision Tree. , 2018, , .		10
675	Fetal Birth Weight Estimation in High-Risk Pregnancies Through Machine Learning Techniques. , 2019, , .		10
676	On the Design of Secure Communication Framework for Blockchain-Based Internet of Intelligent Battlefield Things Environment. , 2020, , .		10
677	Blockchain-based E-waste Management in 5G Smart Communities. , 2020, , .		10
678	Provably secure signatureâ€based anonymous user authentication protocol in an Internet of Thingsâ€enabled intelligent precision agricultural environment. Concurrency Computation Practice and Experience, 2023, 35, e6187.	1.4	10
679	UAV-Assisted 5G/6G Networks: Joint Scheduling and Resource Allocation Based on Asynchronous Reinforcement Learning. , 2021, , .		10
680	EPRT: An Efficient Privacy-Preserving Medical Service Recommendation and Trust Discovery Scheme for eHealth System. ACM Transactions on Internet Technology, 2021, 21, 1-24.	3.0	10
681	Fusion of AI techniques to tackle COVID-19 pandemic: models, incidence rates, and future trends. Multimedia Systems, 2022, 28, 1189-1222.	3.0	10
682	QoSâ€“aware Mesh-based Multicast Routing Protocols in Edge Ad Hoc Networks: Concepts and Challenges. ACM Transactions on Internet Technology, 2022, 22, 1-27.	3.0	10
683	A Survey on LTE/LTE-A Radio Resource Allocation Techniques for Machine-to-Machine Communication for B5G Networks. IEEE Access, 2021, 9, 107976-107997.	2.6	10
684	An Effective Probabilistic Technique for DDoS Detection in OpenFlow Controller. IEEE Systems Journal, 2022, 16, 1345-1354.	2.9	10

#	Article	IF	Citations
685	PETS: P2P Energy Trading Scheduling Scheme for Electric Vehicles in Smart Grid Systems. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 14361-14374.	4.7	10
686	Security in <scp>IoMT</scp>â€driven smart healthcare: A comprehensive review and open challenges. Security and Privacy, 2022, 5, .	1.9	10
687	Performance Evaluation of Cooperative OMA and NOMA Systems in 6G Deployment Scenarios. Sensors, 2022, 22, 3986.	2.1	10
688	A Novel Hybrid Approach for Web Caching. , 2012, , .		9
689	Playing the Smart Grid Game: Performance Analysis of Intelligent Energy Harvesting and Traffic Flow Forecasting for Plug-In Electric Vehicles. IEEE Vehicular Technology Magazine, 2015, 10, 81-92.	2.8	9
690	MobiCoop. ACM Transactions on Multimedia Computing, Communications and Applications, 2016, 12, 1-23.	3.0	9
691	ProIDS: Probabilistic Data Structures Based Intrusion Detection System for Network Traffic Monitoring. , 2017, , .		9
692	A reliable and cost-efficient code dissemination scheme for smart sensing devices with mobile vehicles in smart cities. Sustainable Cities and Society, 2020, 62, 102374.	5.1	9
693	Ni(II) and Cu(II) complexes of bidentate thiosemicarbazone ligand: Synthesis, structural, theoretical, biological studies and molecular modeling. Applied Organometallic Chemistry, 2020, 34, e5736.	1.7	9
694	BloomStore: Dynamic Bloom-Filter-based Secure Rule-Space Management Scheme in SDN. IEEE Transactions on Industrial Informatics, 2020, 16, 6252-6262.	7.2	9
695	Reducing Data Gathering Delay for Energy Efficient Wireless Data Collection by Jointly Optimizing Path and Speed of Mobile Sink. IEEE Systems Journal, 2021, 15, 3173-3184.	2.9	9
696	Interpreting Adversarial Examples and Robustness for Deep Learning-Based Auto-Driving Systems. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 9755-9764.	4.7	9
697	Path Planning for Energy Management of Smart Maritime Electric Vehicles: A Blockchain-Based Solution. IEEE Transactions on Intelligent Transportation Systems, 2021, , 1-14.	4.7	9
698	Accurate Detection of IoT Sensor Behaviors in Legitimate, Faulty and Compromised Scenarios. IEEE Transactions on Dependable and Secure Computing, 2023, 20, 288-300.	3.7	9
699	PF-DA: Pairing Free and Secure Data Aggregation for Energy Internet-Based Smart Meter-to-Grid Communication. IEEE Transactions on Smart Grid, 2022, 13, 2294-2304.	6.2	9
700	Secrecy Rate Maximization for THz-Enabled Femto Edge Users using Deep Reinforcement Learning in 6G. , 2022, , .		9
701	A Robust and Effective Smart-Card-Based Remote User Authentication Mechanism Using Hash Function. Scientific World Journal, The, 2014, 2014, 1-16.	0.8	8
702	Learning Automata-Based Coverage Oriented Clustering in HWSNs. , 2015, , .		8

#	Article	IF	Citations
703	Dynamic Vehicle Ontology Based Routing for VANETs. Procedia Computer Science, 2015, 57, 789-797.	1.2	8
704	Secure message communication among vehicles using elliptic curve cryptography in smart cities. , 2016, , .		8
705	Bayesian Cooperative Coalition Game as a Service for RFID-Based Secure QoS Management in Mobile Cloud. IEEE Transactions on Emerging Topics in Computing, 2018, 6, 58-71.	3.2	8
706	A secure enhanced privacy-preserving key agreement protocol for wireless mobile networks. Telecommunication Systems, 2018, 69, 431-445.	1.6	8
707	Base Station Oriented Multi Route Diversity Protocol for Wireless Sensor Networks. , 2018, , .		8
708	A Game of Incentives. , 2018, , .		8
709	An Efficient Scheme for Path Planning in Internet of Drones. , 2019, , .		8
710	Latency Evaluation of SDFGs on Heterogeneous Processors Using Timed Automata. IEEE Access, 2020, 8, 140171-140180.	2.6	8
711	CPNDD:Content Placement Approach in Content Centric Networking. , 2020, , .		8
712	Secrecy-ensured NOMA-based cooperative D2D-aided fog computing under imperfect CSI. Journal of Information Security and Applications, 2021, 59, 102812.	1.8	8
713	SDN-Enabled Adaptive Broadcast Timer for Data Dissemination in Vehicular Ad Hoc Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 8134-8147.	3.9	8
714	Smart grid. Advances in Computers, 2021, 121, 455-481.	1.2	8
715	A Lightweight and Verifiable Access Control Scheme With Constant Size Ciphertext in Edge-Computing-Assisted IoT. IEEE Internet of Things Journal, 2022, 9, 19227-19237.	5.5	8
716	Federated Learning for Air Quality Index Prediction using UAV Swarm Networks. , 2021, , .		8
717	A detailed survey of denial of service for IoT and multimedia systems: Past, present and futuristic development. Multimedia Tools and Applications, 2022, 81, 19879-19944.	2.6	8
718	SanJeeVni: Secure UAV-Envisioned Massive Vaccine Distribution for COVID-19 Underlying 6G Network. IEEE Sensors Journal, 2023, 23, 955-968.	2.4	8
719	Demand response managemengt of smart grids using dynamic pricing. , 2016, , .		7
720	A Secure and Robust Smartcard-Based Authentication Scheme for Session Initiation Protocol Using Elliptic Curve Cryptography. Wireless Personal Communications, 2016, 91, 1361-1391.	1.8	7

#	Article	IF	Citations
721	A secure energyâ€efficient access control scheme for wireless sensor networks based on elliptic curve cryptography. Security and Communication Networks, 2016, 9, 3944-3951.	1.0	7
722	Game theoretic approach for real-time data dissemination and offloading in vehicular ad hoc networks. Journal of Real-Time Image Processing, 2017, 13, 627-644.	2.2	7
723	Performance Evaluation of Routing Metrics in the LOADng Routing Protocol. Journal of Communications Software and Systems, 2017, 13, 87.	0.6	7
724	FS2RNN: Feature Selection Scheme for Web Spam Detection Using Recurrent Neural Networks. , 2018, , .		7
725	Edge-Based Content Delivery for Providing QoE in Wireless Networks Using Quotient Filter. , 2018, , .		7
726	Achieving Energy Efficiency and Sustainability in Edge/Fog Deployment. , 2018, 56, 20-21.		7
727	Bloom Filter Based Efficient Caching Scheme for Content Distribution in Vehicular Networks. , 2019, , .		7
728	Identification of Android malware using refined system calls. Concurrency Computation Practice and Experience, 2019, 31, e5311.	1.4	7
729	Detecting Different Attack Instances of DDoS Vulnerabilities on Edge Network of Fog Computing using Gaussian Naive Bayesian Classifier. , 2020, , .		7
730	History of blockchain-Blockchain 1.0: Currency. Advances in Computers, 2021, 121, 147-169.	1.2	7
731	Bushfire Risk Detection Using Internet of Things: An Application Scenario. IEEE Internet of Things Journal, 2022, 9, 5266-5274.	5.5	7
732	Signcryption Based Authenticated and Key Exchange Protocol for EI-Based V2G Environment. IEEE Transactions on Smart Grid, 2021, 12, 5290-5298.	6.2	7
733	Efficient Distributed Decryption Scheme for IoT Gateway-based Applications. ACM Transactions on Internet Technology, 2021, 21, 1-23.	3.0	7
734	Design and Testbed Experiments of Public Blockchain-Based Security Framework for IoT-Enabled Drone-Assisted Wildlife Monitoring. , 2021, , .		7
735	SPCS-IoTEH: Secure Privacy-Preserving Communication Scheme for IoT-Enabled e-Health Applications. , 2021, , .		7
736	Resource management of <scp>IoT</scp> edge devices: Challenges, techniques, and solutions. Software - Practice and Experience, 2021, 51, 2357-2359.	2.5	7
737	A CNN-based scheme for COVID-19 detection with emergency services provisions using an optimal path planning. Multimedia Systems, 2023, 29, 1683-1697.	3.0	7
738	Biology of Heme: Drug Interactions and Adverse Drug Reactions with CYP450. Current Topics in Medicinal Chemistry, 2019, 18, 2042-2055.	1.0	7

#	Article	IF	Citations
739	An ECC-Based Two-Party Authenticated Key Agreement Protocol for Mobile Ad Hoc Networks. Journal of Computers, 2011, 6, .	0.4	7
740	Block-RAS: A P2P Resource Allocation Scheme in 6G Environment with Public Blockchains. , 2020, , .		7
741	A survey on artificial intelligence techniques for chronic diseases: open issues and challenges. Artificial Intelligence Review, 2022, 55, 3747-3800.	9.7	7
742	AKN-FGD: Adaptive Kohonen Network Based Fine-Grained Detection of LDoS Attacks. IEEE Transactions on Dependable and Secure Computing, 2023, 20, 273-287.	3.7	7
743	A Novel Channel Model and Optimal Power Control Schemes for Mobile mmWave Two-Tier Networks. IEEE Access, 2022, 10, 54445-54458.	2.6	7
744	A Deep-Q Learning Scheme for Secure Spectrum Allocation and Resource Management in 6G Environment. IEEE Transactions on Network and Service Management, 2022, 19, 4989-5005.	3.2	7
745	Dynamic Web caching: For robustness, low latency & disconnection handling. , 2012, , .		6
746	Efficient TDMA based virtual back off algorithm for adaptive data dissemination in VANETs. , 2013, , .		6
747	An Energy Efficient Data Dissemination and Information Retrieval Scheme for VANET. , 2015, , .		6
748	Critical applications in vehicular ad hoc/sensor networks. Telecommunication Systems, 2015, 58, 275-277.	1.6	6
749	PAT: A precise reward scheme achieving anonymity and traceability for crowdcomputing in public clouds. Future Generation Computer Systems, 2018, 79, 262-270.	4.9	6
750	Verification and Validation Techniques for Streaming Big Data Analytics in Internet ofThings Environment. IET Networks, 2018, 8, 155.	1.1	6
751	Physical Layer Security of AMI Data Transmission in Smart Grid Environment. , 2019, , .		6
752	A Mean Quantization Watermarking Scheme for Audio Signals Using Singular-Value Decomposition. IEEE Access, 2019, 7, 157480-157488.	2.6	6
753	2PBDC: privacy-preserving bigdata collection in cloud environment. Journal of Supercomputing, 2020, 76, 4772-4801.	2.4	6
754	White-Box Implementation of Shamirâ€™s Identity-Based Signature Scheme. IEEE Systems Journal, 2020, 14, 1820-1829.	2.9	6
755	An Edge-Fog Computing Framework for Cloud of Things in Vehicle to Grid Environment. , 2020, , .		6
756	Energy and Latency Aware Resource Management for Solar Powered Cellular Networks. IEEE Network, 2020, 34, 246-253.	4.9	6

#	Article	IF	Citations
757	Machine learning models for renewable energy forecasting. Journal of Statistics and Management Systems, 2020, 23, 171-180.	0.3	6
758	SFEEC: Provably Secure Signcryption-Based Big Data Security Framework for Energy-Efficient Computing Environment. IEEE Systems Journal, 2021, 15, 598-606.	2.9	6
759	Neural-Architecture-Search-Based Multiobjective Cognitive Automation System. IEEE Systems Journal, 2021, 15, 2918-2925.	2.9	6
760	An Energy-Efficient Cache Localization Technique for D2D Communication in IoT Environment. IEEE Internet of Things Journal, 2021, 8, 4816-4829.	5.5	6
761	Digital Twin-based Prediction for CNC Machines Inspection using Blockchain for Industry 4.0. , 2021, , .		6
762	Secure Communication Framework for Blockchain-Based Internet of Drones-Enabled Aerial Computing Deployment. IEEE Internet of Things Magazine, 2021, 4, 120-126.	2.0	6
763	An Intelligent Phishing Detection Scheme Using Machine Learning. Advances in Intelligent Systems and Computing, 2021, , 151-165.	0.5	6
764	Blockchainâ€enabled secure communication mechanism for IoTâ€driven personal health records. Transactions on Emerging Telecommunications Technologies, 2022, 33, .	2.6	6
765	ChaseMe: A Heuristic Scheme for Electric Vehicles Mobility Management on Charging Stations in a Smart City Scenario. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 16048-16058.	4.7	6
766	On the design of an AI-driven secure communication scheme for internet of medical things environment. Digital Communications and Networks, 2023, 9, 1080-1089.	2.7	6
767	MB-MaaS: Mobile Blockchain-based Mining-as-a-Service for IIoT environments. Journal of Parallel and Distributed Computing, 2022, 168, 1-16.	2.7	6
768	X-MODDES (eXtended Multi Operator Delimiter Based Data Encryption Standard). , 2010, , .		5
769	Load balancing and adaptive scheduling for data intensive prioritised traffic in multi-radio multi-channel wireless mesh networks. International Journal of Ad Hoc and Ubiquitous Computing, 2013, 12, 3.	0.3	5
770	Smart grid with cloud computing: Architecture, security issues and defense mechanism. , 2014, , .		5
771	An efficient password-based three-party authenticated multiple key exchange protocol for wireless mobile networks. Journal of Supercomputing, 2014, 70, 224-235.	2.4	5
772	Detection and analysis of secure intelligent universal designated verifier signature scheme for electronic voting system. Journal of Supercomputing, 2014, 70, 177-199.	2.4	5
773	Reliable multicast as a Bayesian coalition game for a non-stationary environment in vehicular ad hoc networks: a learning automata-based approach. International Journal of Ad Hoc and Ubiquitous Computing, 2015, 19, 168.	0.3	5
774	DMAMA: Dynamic Migration Access Control Mechanism for Mobile Agents in Distributed Networks. Wireless Personal Communications, 2015, 84, 207-230.	1.8	5

#	Article	IF	Citations
775	The influence of reduced oxygen availability on gene expression in laboratory (H37Rv) and clinical strains (S7 and S10) of Mycobacterium tuberculosis. Journal of Biotechnology, 2015, 210, 70-80.	1.9	5
776	Context dependent non canonical WNT signaling mediates activation of fibroblasts by transforming growth factor-Î². Experimental Cell Research, 2015, 334, 246-259.	1.2	5
777	A general compiler for password-authenticated group key exchange protocol in the standard model. Discrete Applied Mathematics, 2018, 241, 78-86.	0.5	5
778	IEEE Access Special Section Editorial: Research Challenges and Opportunities in Security and Privacy of Blockchain Technologies. IEEE Access, 2018, 6, 72033-72036.	2.6	5
779	Sustainable Smart Energy Cyber-Physical System: Can Electric Vehicles Suffice Its Needs?. , 2018, , .		5
780	Designing Secure and Efficient Biometric-Based Access Mechanism for Cloud Services. IEEE Transactions on Cloud Computing, 2022, 10, 749-761.	3.1	5
781	Cryptocurrencies. Advances in Computers, 2021, , 227-266.	1.2	5
782	Integrating Multihub Driven Attention Mechanism and Big Data Analytics for Virtual Representation of Visual Scenes. IEEE Transactions on Industrial Informatics, 2022, 18, 1435-1444.	7.2	5
783	MADP-IIME: malware attack detection protocol in IoT-enabled industrial multimedia environment using machine learning approach. Multimedia Systems, 2023, 29, 1785-1797.	3.0	5
784	Enhancement of image contrast using Selfish Herd Optimizer. Multimedia Tools and Applications, 2022, 81, 637-657.	2.6	5
785	Software-Defined Content Dissemination Scheme for Internet of Healthcare Vehicles in COVID-Like Scenarios. IEEE Internet of Things Magazine, 2021, 4, 34-40.	2.0	5
786	Diverse Analysis of Data Mining and Machine Learning Algorithms to Secure Computer Network. Wireless Personal Communications, 2022, 124, 1033-1059.	1.8	5
787	Coalition Games for Performance Evaluation in 5G and Beyond Networks: A Survey. IEEE Access, 2022, 10, 15393-15420.	2.6	5
788	Securing Internet of Drones Networks Using AI-Envisioned Smart-Contract-Based Blockchain. IEEE Internet of Things Magazine, 2021, 4, 68-73.	2.0	5
789	TruClu: Trust Based Clustering Mechanism in Software Defined Vehicular Networks. , 2021, , .		5
790	ACM-SH: An Efficient Access Control and Key Establishment Mechanism for Sustainable Smart Healthcare. Sustainability, 2022, 14, 4661.	1.6	5
791	A Provably Secure Mobile User Authentication Scheme for Big Data Collection in IoT-Enabled Maritime Intelligent Transportation System. IEEE Transactions on Intelligent Transportation Systems, 2022, , 1-11.	4.7	5
792	A comprehensive survey on softwareâ€defined networking for smart communities. International Journal of Communication Systems, 0, , .	1.6	5

#	Article	IF	Citations
793	A secure and lightweight anonymous mutual authentication scheme for wearable devices in Medical Internet of Things. Journal of Information Security and Applications, 2022, 68, 103259.	1.8	5
794	A Novel Key Management Mechanism for Dynamic Hierarchical Access Control Based on Linear Polynomials. Communications in Computer and Information Science, 2012, , 1-10.	0.4	4
795	A novel linear polynomial-based dynamic key management scheme for hierarchical access control. International Journal of Trust Management in Computing and Communications, 2013, 1, 156.	0.1	4
796	Battery power and trust based routing strategy for MANET. , 2014, , .		4
797	Routing as a Bayesian Coalition Game in Smart Grid Neighborhood Area Networks: Learning Automata-based approach. , 2014, , .		4
798	Min-parent: An effective approach to enhance resource utilization in cloud environment. , 2016, , .		4
799	Fleet of electric vehicles for frequency support in Smart Grid using 2-layer hierarchical control mechanism. , 2016, , .		4
800	REMA: A REsource MAnagement tool to improve the performance of vehicular delay-tolerant networks. Vehicular Communications, 2017, 9, 135-143.	2.7	4
801	Performance Assessment of Decision Tree-Based Predictive Classifiers for Risk Pregnancy Care. , 2017, , .		4
802	AdCaS: Adaptive Caching for Storage Space Analysis Using Content Centric Networking. , 2018, , .		4
803	QAIR: Quality Assessment Scheme for Information Retrieval in IoT Infrastructures. , 2018, , .		4
804	Wireless- Powered UAV assisted Communication System in Nakagami-m Fading Channels. , 2020, , .		4
805	Efficient Load balancing to serve Heterogeneous Requests in Clustered Systems using Kubernetes. , 2020, , .		4
806	PIN Inference Attack: A Threat to Mobile Security and Smartphone-Controlled Robots. IEEE Sensors Journal, 2022, 22, 17475-17482.	2.4	4
807	Blockchain-based scheme for the mobile number portability. Journal of Information Security and Applications, 2021, 58, 102764.	1.8	4
808	<scp>SDNâ€chain</scp>: Privacyâ€preserving protocol for software defined networks using blockchain. Security and Privacy, 2021, 4, e178.	1.9	4
809	Parameterizing the Effects of Tumor Shape in Magnetic Nanoparticle Thermotherapy Through a Computational Approach. Journal of Heat Transfer, 2022, 144, .	1.2	4
810	QoS Aware Uplink Scheduling for M2M Communication in LTE/LTE-A Network: A Game Theoretic Approach. IEEE Transactions on Vehicular Technology, 2022, 71, 4156-4170.	3.9	4

#	Article	IF	Citations
811	Intelligent Power Allocation Algorithm for Energy-Efficient Mobile Internet of Things (IoT) Networks. IEEE Transactions on Green Communications and Networking, 2022, 6, 766-775.	3.5	4
812	Guest Editorial: Special Section on Embracing Artificial Intelligence for Network and Service Management. IEEE Transactions on Network and Service Management, 2021, 18, 3936-3941.	3.2	4
813	Secure 5G-Assisted UAV Access Scheme in IoBT for Region Demarcation and Surveillance Operations. IEEE Communications Standards Magazine, 2022, 6, 58-66.	3.6	4
814	Survivable virtual network embedding algorithm considering multiple node failure in IIoT environment. Journal of Network and Computer Applications, 2022, 205, 103437.	5.8	4
815	An unconditionally secure location-aware key management scheme for static sensor networks. Journal of Discrete Mathematical Sciences and Cryptography, 2008, 11, 333-355.	0.5	3
816	Distributed context aware collaborative filtering approach for P2P service selection and recovery in wireless mesh networks. Peer-to-Peer Networking and Applications, 2012, 5, 350-362.	2.6	3
817	LHSC: An effective dynamic key management scheme for linear hierarchical access control. , 2013, , .		3
818	SCARP: Scalable congestion aware replication protocol. , 2014, , .		3
819	Cryptanalysis of an Efficient Biometric Authentication Protocol for Wireless Sensor Networks. Communications in Computer and Information Science, 2014, , 1-9.	0.4	3
820	Closely spacified wide dual-band microstrip band pass filter using coupled stepped-impedace resonators. , 2015, , .		3
821	Key frame extraction algorithm for video abstraction applications in underwater videos. , 2015, , .		3
822	Wireless and Mobile Technologies for the Internet of Things. Mobile Information Systems, 2016, 2016, 1-2.	0.4	3
823	A novel covert channel detection method in cloud based on XSRM and improved event association algorithm. Security and Communication Networks, 2016, 9, 3543-3557.	1.0	3
824	A system for distributed audio classification using sparse representation over cloud for IOT. , 2018, , .		3
825	LEASE: Lattice and ECC-Based Authentication and Integrity Verification Scheme in E-Healthcare. , 2018, , .		3
826	Improved Well-Conditioned Model Order Reduction Method Based on Multilevel Krylov Subspaces. IEEE Microwave and Wireless Components Letters, 2018, 28, 1065-1067.	2.0	3
827	Hashâ€balanced binary treeâ€“based public auditing in vehicular edge computing and networks. International Journal of Communication Systems, 2022, 35, e4134.	1.6	3
828	Can Tactile Internet be a Solution for Low Latency Heart Disorientation Measure: An Analysis. , 2019, , .		3

#	Article	IF	Citations
829	Multi-Party Secure Collaborative Filtering for Recommendation Generation. , 2019, , .		3
830	Customized NOMA and Sector Model for Battery Efficient Beyond 5G Green Networks. IEEE Network, 2020, 34, 281-287.	4.9	3
831	Information Classification Strategy for Blockchain-based Secure SDN in IoT Scenario. , 2020, , .		3
832	Cache Poisoning Prevention Scheme in 5G-enabled Vehicular Networks: A Tangle-based Theoretical Perspective. , 2020, , .		3
833	EnFlow: An Energy-Efficient Fast Flow Forwarding Scheme for Software-Defined Networks. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 5293-5309.	4.7	3
834	Security Enhanced Sentence Similarity Computing Model Based on Convolutional Neural Network. IEEE Access, 2021, 9, 104183-104196.	2.6	3
835	Digital signatures. Advances in Computers, 2021, , 95-107.	1.2	3
836	Transportation system. Advances in Computers, 2021, 121, 431-454.	1.2	3
837	Comments on â€œEfficient Public Verification of Data Integrity for Cloud Storage Systems From Indistinguishability Obfuscationâ€• IEEE Transactions on Information Forensics and Security, 2021, 16, 4113-4116.	4.5	3
838	Provably Secure Authentication Protocol for Mobile Clients in IoT Environment Using Puncturable Pseudorandom Function. IEEE Internet of Things Journal, 2021, 8, 16613-16622.	5.5	3
839	BCovX: Blockchain-based COVID Diagnosis Scheme using Chest X-Ray for Isolated Location. , 2021, , .		3
840	Mitigating the impact of adversarial attacks in very deep networks. Applied Soft Computing Journal, 2021, 105, 107231.	4.1	3
841	Distance transform based text-line extraction from unconstrained handwritten document images. Expert Systems With Applications, 2021, 186, 115666.	4.4	3
842	SecGreen: Secrecy Ensured Power Optimization Scheme for Software-Defined Connected IoV. IEEE Transactions on Mobile Computing, 2023, 22, 2370-2386.	3.9	3
843	Federated learning-based aerial image segmentation for collision-free movement and landing. , 2021, , .		3
844	UnRest: Underwater Reliable Acoustic Communication for Multimedia Streaming. , 2020, , .		3
845	Trustful: A Decentralized Public Key Infrastructure and Identity Management System. , 2020, , .		3
846	COVIDNet: An Automatic Architecture for COVID-19 Detection With Deep Learning From Chest X-Ray Images. IEEE Internet of Things Journal, 2022, 9, 11376-11384.	5.5	3

#	Article	IF	Citations
847	Learning Based and Physical-layer Assisted Secure Computation Offloading in Vehicular Spectrum Sharing Networks. , 2022, , .		3
848	A Secure Proxy Blind Signature Scheme Based on DLP. , 2010, , .		2
849	Distributed PKG ID based signcryption. , 2011, , .		2
850	Design & development of autonomous system to build 3D model for underwater objects using stereo vision technique. , 2011, , .		2
851	Green Communication- A Stipulation to Reduce Electromagnetic Hypersensitivity from Cellular Phone. Procedia Technology, 2012, 4, 682-686.	1.1	2
852	Learning Automata Based Contention Aware Data Forwarding Scheme for Safety Applications in Vehicular Ad Hoc Networks. , 2013, , .		2
853	A novel smart meter for better control over devices including electric vehicles and to enable smart use of power in smart home. , 2015, , .		2
854	A novel central energy management system for smart grid integrated with renewable energy and electric vehicles. , 2015, , .		2
855	Efficient revocable IDâ€based encryption with cloud revocation server. International Journal of Communication Systems, 2018, 31, e3386.	1.6	2
856	Adaptive Skip Graph Framework for Peer-to-Peer Networks: Search Time Complexity Analysis. , 2018, , .		2
857	DLopC: Data Locality Independency-Aware VM Clustering in Cloud Computing. , 2018, , .		2
858	Demand Response Management Using Lattice-Based Cryptography in Smart Grids. , 2018, , .		2
859	TCP-EXPO: Empirical Approach to Transport Layer Protocol for High-Speed Networks. , 2018, , .		2
860	Fuzzy Rough Set based Social IoT Recommender System. , 2019, , .		2
861	The Power of AI in IoT : Cognitive IoT-based Scheme for Web Spam Detection. , 2019, , .		2
862	ADYTIA: Adaptive and Dynamic TCP Interface Architecture for heterogeneous networks. International Journal of Communication Systems, 2019, 32, e3855.	1.6	2
863	Guest Editorial: Special Section on Intelligent Informatics for Edge of Things in Smart Industrial Ecosystem. IEEE Transactions on Industrial Informatics, 2020, 16, 1933-1937.	7.2	2
864	An ensemble approach to outlier detection using some conventional clustering algorithms. Multimedia Tools and Applications, 2020, , 1.	2.6	2

#	Article	IF	Citations
865	Shortest Paths in the Plane with Obstacle Violations. Algorithmica, 2020, 82, 1813-1832.	1.0	2
866	Healthcare system. Advances in Computers, 2021, 121, 483-493.	1.2	2
867	High-valued pyrazinoindole analogues: Synthesis, antibacterial activity, structure activity relationship and molecular dynamics analyses. Results in Chemistry, 2021, 3, 100194.	0.9	2
868	DeLend: A P2P Loan Management Scheme Using Public Blockchain in 6G Network. , 2021, , .		2
869	Special Issue on â€œAugmented Reality, Virtual Reality & Semantic 3D Reconstructionâ€: Applied Sciences (Switzerland), 2021, 11, 8590.	1.3	2
870	Foreseeing Survival Through â€˜Fuzzy Intelligenceâ€™: A Cognitively-Inspired Incremental Learning Based de novo Model for Breast Cancer Prognosis byÂMulti-Omics Data Fusion. Lecture Notes in Computer Science, 2021, , 231-242.	1.0	2
871	An Advanced Energy Efficient Data Dissemination for Heterogeneous Wireless Sensor Networks. Sensor Letters, 2013, 11, 1771-1778.	0.4	2
872	A Taxonomy of Multimedia-based Graphical User Authentication for Green Internet of Things. ACM Transactions on Internet Technology, 2022, 22, 1-28.	3.0	2
873	Intelligent 3D Objects Classification for Vehicular Ad Hoc Network Based on Lidar and Deep Learning Approaches. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 19807-19816.	4.7	2
874	Collaborative and Efficient Body-to-Body Networks for IoT-Based Healthcare Systems. IEEE Internet of Things Journal, 2022, 9, 12147-12154.	5.5	2
875	Theoretical Performance Analysis of Distributed Queue for Massive Machine Type Communications: Throughput, Latency, Energy Consumption. IEEE Transactions on Network and Service Management, 2022, , 1-1.	3.2	2
876	Towards achieving efficient access control of medical data with both forward and backward secrecy. Computer Communications, 2022, 189, 36-52.	3.1	2
877	Leveraging Blockchain for Secure Drone-to-Everything Communications. IEEE Communications Standards Magazine, 2021, 5, 80-87.	3.6	2
878	Search on Encrypted COVID-19 Healthcare Data in Blockchain-Assisted Distributed Cloud Storage. IEEE Internet of Things Magazine, 2021, 4, 127-132.	2.0	2
879	Exploring the alternatives to the conventional interference mitigation schemes for 5G wireless cellular communication network. International Journal of Communication Systems, 2022, 35, .	1.6	2
880	BDESF-ITS: Blockchain-Based Secure Data Exchange and Storage Framework for Intelligent Transportation System. , 2022, , .		2
881	EPSAPI: An efficient and provably secure authentication protocol for an IoT application environment. Peer-to-Peer Networking and Applications, 2022, 15, 2179-2198.	2.6	2
882	A Big Data Approach for Demand Response Management in Smart Grid Using the Prophet Model. Electronics (Switzerland), 2022, 11, 2179.	1.8	2

#	Article	IF	Citations
883	Load Balancing with Fair Scheduling for Multiclass Priority Traffic in Wireless Mesh Networks. Communications in Computer and Information Science, 2011, , 101-109.	0.4	1
884	Integrated fleet of electric vehicles as a frequency regulation agent in the grid. , 2015, , .		1
885	Dynamic cache invalidation technique in mobile environments. , 2015, , .		1
886	Dual-band bandpass filter for WLAN application using coupled three-line microstrip structure. , 2015, , .		1
887	A secure and efficient time-bound hierarchical access control scheme for secure broadcasting. International Journal of Ad Hoc and Ubiquitous Computing, 2016, 22, 236.	0.3	1
888	An efficient itinerary management scheme for electric vehicles using ACO. , 2016, , .		1
889	SLOPE: A Self Learning Optimization and Prediction Ensembler for Task Scheduling. , 2018, , .		1
890	Detection and Classification of Power Quality Disturbances Using Stockwell Transform and Rule Based Decision Tree. , 2018, , .		1
891	Call for Special Issue Papers: Internet of Things Data Visualization for Business Intelligence. Big Data, 2020, 8, 249-250.	2.1	1
892	Improved approximation bounds for the minimum constraint removal problem. Computational Geometry: Theory and Applications, 2020, 90, 101650.	0.3	1
893	S. I: hybridization of neural computing with nature-inspired algorithms. Neural Computing and Applications, 2021, 33, 10617.	3.2	1
894	Energy and SLA-driven MapReduce Job Scheduling Framework for Cloud-based Cyber-Physical Systems. ACM Transactions on Internet Technology, 2021, 21, 1-24.	3.0	1
895	I²UTS: An IoT based Intelligent Urban Traffic System. , 2021, , .		1
896	GiNA: A Blockchain-based Gaming scheme towards Ethereum 2.0. , 2021, , .		1
897	Guest Editorial Introduction to the Special Issue on Deep Learning Models for Safe and Secure Intelligent Transportation Systems. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4224-4229.	4.7	1
898	Design and Simulation of Security Sub-layer of WMAN IEEE 802.16 Standard (Wi-Max Compliant). Communications in Computer and Information Science, 2010, , 1-7.	0.4	1
899	An Efficient Session Initiation Protocol for Secure Communication in Vehicular Ad Hoc Networks. , 2015, , 325-334.		1
900	Load Balancing Efficiency Improvement Using Hybrid Scheduling Algorithm in LTE Systems. Wireless Personal Communications, 2017, 96, 4299-4311.	1.8	1

#	Article	IF	Citations
901	Capsule: All you need to know about Tactile Internet in a Nutshell. , 2021, , .		1
902	Call for Special Issue Papers: Internet of Things Data Visualization for Business Intelligence. Big Data, 2020, 8, 540-541.	2.1	1
903	Anonymous Fine-Grained User Access Control Scheme for Internet of Things Architecture. Advances in Intelligent Systems and Computing, 2021, , 47-66.	0.5	1
904	Guest Editorial: Introduction to the Special Section on Intelligence-Empowered Collaboration Among Space, Air, Ground, and Sea Mobile Networks Towards B5G. IEEE Transactions on Network Science and Engineering, 2021, 8, 2719-2721.	4.1	1
905	Security enhancement in cellular networks employing D2D friendly jammer for V2V communication. Cluster Computing, 2023, 26, 865-878.	3.5	1
906	Special Issue on Artificial Intelligence, Edge, and Internet of Things for Smart Agriculture. IEEE Micro, 2022, 42, 6-7.	1.8	1
907	DDoS attack resisting authentication protocol for mobile based online social network applications. Journal of Information Security and Applications, 2022, 65, 103115.	1.8	1
908	Blockchain for Smart Transport Applications. Internet of Things, 2022, , 125-154.	1.3	1
909	Secure cloudâ€based data storage scheme using postquantum integer latticesâ€based signcryption for IoT applications. Transactions on Emerging Telecommunications Technologies, 2022, 33, .	2.6	1
910	FHC-NDS: Fuzzy Hierarchical Clustering of Multiple Nominal Data Streams. IEEE Transactions on Fuzzy Systems, 2023, 31, 786-798.	6.5	1
911	An Inter-Domain Agent Based Secure Authorization and Communication for Mobile Clients in Wireless AdHoc Networks. International Journal of Mobile Computing and Multimedia Communications, 2010, 2, 34-46.	0.4	0
912	Latency aware real time cryptographic communication model for MANET. , 2010, , .		0
913	Routing in WDM based wireless mesh networks with capacity estimation. International Journal of Internet Protocol Technology, 2011, 6, 224.	0.2	0
914	Analysis of bulk arrival queuing model for quality of service based traffic scheduling. , 2012, , .		0
915	Agent assisted mobility and load aware fast handoff scheme in wireless mesh networks. International Journal of Internet Protocol Technology, 2012, 7, 26.	0.2	0
916	A secure temporal-credential-based mutual authentication and key agreement scheme for wireless sensor networks. , 2013, , .		0
917	LBASMPL: Load balancing adaptive scheduling with minimum packet loss in Wireless Mesh Network. , 2014, , .		0
918	Performance comparison of cache invalidation techniques in mobile computing environment. , 2015, , .		0

#	Article	IF	Citations
919	Collaborative P2P context-aware information propagation in vehicular ad hoc networks. , 2015, , .		0
920	An Efficient Multiclass Classifier Using On-Page Positive Personality Features for Web Page Classification for the Next Generation Wireless Communication Networks. Wireless Personal Communications, 2017, 93, 503-522.	1.8	0
921	Performance Assessment of Software Defined Networks Management Protocol in Real Environments. , 2019, , .		0
922	CARaM: Coordinated Adaptive Replica Management for Charging Station. , 2019, , .		0
923	SDN Based Dynamic Resource Scheduling for Large Scale Data Centers. , 2019, , .		0
924	An Efficient Privacy Preserving Computation of Multiset Intersection Cardinality. , 2019, , .		0
925	Two-Tier Ensemble Model for Demand Side Prediction in Smart Grid Environment. , 2019, , .		0
926	CTRL â€“CapTuRedLight: a novel feature descriptor for online Assamese numeral recognition. Multimedia Tools and Applications, 2020, 80, 30033.	2.6	0
927	Call for Special Issue Papers: Internet of Things Data Visualization for Business Intelligence. Big Data, 2020, 8, 452-453.	2.1	0
928	Call for Special Issue Papers: Internet of Things Data Visualization for Business Intelligence. Big Data, 2020, 8, 167-168.	2.1	0
929	Distributed Context Aware Collaborative Filtering Approach for Service Selection in Wireless Mesh Networks. Lecture Notes in Computer Science, 2011, , 357-365.	1.0	0
930	Dynamic Grooming with Capacity aware Routing and Wavelength Assignment for WDM based Wireless Mesh Networks. Lecture Notes in Electrical Engineering, 2011, , 621-630.	0.3	0
931	Performance Analysis of Zone Based Routing by Varying Radius of Zone Using Ant Colony in MANET. Lecture Notes in Electrical Engineering, 2012, , 215-223.	0.3	0
932	A Probabilistic Multi Constraints Variable Bit Rate Multimedia Service Selection in Wireless Mesh Networks. Sensor Letters, 2013, 11, 1726-1735.	0.4	0
933	Optimized Routing for Efficient Data Dissemination in MANET to Meet the Fast-Changing Technology. Journal of Global Information Management, 2018, 26, 25-36.	1.4	0
934	Guest Editorial: Deep Learning for 3D Reconstruction. IET Image Processing, 2020, 14, 1217-1218.	1.4	0
935	Security and privacy solutions in edge envisioned connected things environment. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4208.	2.6	0
936	Load Balancing Aware Multiparty Secure Group Communication for Online Services in Wireless Mesh Networks. , 0, , 184-198.		0

#	Article	IF	Citations
937	On the Design of a Secure Anonymous User Authentication Scheme for Multiple Base Stations Based Wireless Sensor Networks. Advances in Intelligent Systems and Computing, 2021, , 1-17.	0.5	0
938	Guest Editorial Special Issue on Artificial Intelligence-Based Sensors for Next Generation IoT Applications. IEEE Sensors Journal, 2021, 21, 24919-24919.	2.4	0
939	Wind power prediction analysis by ANFIS, GA-ANFIS and PSO-ANFIS. Journal of Information and Optimization Sciences, 0, , 1-6.	0.2	0
940	Guest Editorial: Special SectionÂon Edge Intelligence for Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2022, , 1-4.	7.2	0
941	Channel capacity optimization scheme for safety applications in vehicular ad hoc networks. International Journal of Communication Systems, 0, , .	1.6	0