

Fadi M Al-Turjman

List of Publications by Year in descending order

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395
papers

11,163
citations

28190

55
h-index

51492

86
g-index

411
all docs

411
docs citations

411
times ranked

7584
citing authors

#	ARTICLE	IF	CITATIONS
1	CovidGAN: Data Augmentation Using Auxiliary Classifier GAN for Improved Covid-19 Detection. IEEE Access, 2020, 8, 91916-91923.	2.6	517
2	Applications of Artificial Intelligence and Machine learning in smart cities. Computer Communications, 2020, 154, 313-323.	3.1	349
3	COVID-19 cases prediction by using hybrid machine learning and beetle antennae search approach. Sustainable Cities and Society, 2021, 66, 102669.	5.1	230
4	Context-Sensitive Access in Industrial Internet of Things (IIoT) Healthcare Applications. IEEE Transactions on Industrial Informatics, 2018, 14, 2736-2744.	7.2	216
5	IoT-enabled smart grid via SM: An overview. Future Generation Computer Systems, 2019, 96, 579-590.	4.9	210
6	Intelligence in the Internet of Medical Things era: A systematic review of current and future trends. Computer Communications, 2020, 150, 644-660.	3.1	201
7	Smart parking in IoT-enabled cities: A survey. Sustainable Cities and Society, 2019, 49, 101608.	5.1	196
8	A Survey on Multipath Routing Protocols for QoS Assurances in Real-Time Wireless Multimedia Sensor Networks. IEEE Communications Surveys and Tutorials, 2017, 19, 1424-1456.	24.8	181
9	Pneumonia Classification Using Deep Learning from Chest X-ray Images During COVID-19. Cognitive Computation, 2021, , 1-13.	3.6	160
10	Smart Contract Privacy Protection Using AI in Cyber-Physical Systems: Tools, Techniques and Challenges. IEEE Access, 2020, 8, 24746-24772.	2.6	155
11	Addressing disasters in smart cities through UAVs path planning and 5G communications: A systematic review. Computer Communications, 2021, 168, 114-135.	3.1	151
12	Cognition in UAV-Aided 5G and Beyond Communications: A Survey. IEEE Transactions on Cognitive Communications and Networking, 2020, 6, 872-891.	4.9	144
13	Risk management in sustainable smart cities governance: A TOE framework. Technological Forecasting and Social Change, 2021, 167, 120743.	6.2	143
14	Cyber Security Threats Detection in Internet of Things Using Deep Learning Approach. IEEE Access, 2019, 7, 124379-124389.	2.6	139
15	An Authentic-Based Privacy Preservation Protocol for Smart e-Healthcare Systems in IoT. IEEE Access, 2019, 7, 135632-135649.	2.6	138
16	An overview of security and privacy in smart cities' IoT communications. Transactions on Emerging Telecommunications Technologies, 2022, 33, e3677.	2.6	130
17	A machine learning-based framework for diagnosis of COVID-19 from chest X-ray images. Interdisciplinary Sciences, Computational Life Sciences, 2021, 13, 103-117.	2.2	129
18	Data-driven dynamic clustering framework for mitigating the adverse economic impact of Covid-19 lockdown practices. Sustainable Cities and Society, 2020, 62, 102372.	5.1	123

#	ARTICLE	IF	CITATIONS
19	5G-enabled devices and smart-spaces in social-IoT: An overview. <i>Future Generation Computer Systems</i> , 2019, 92, 732-744.	4.9	122
20	Securing Smart City Surveillance: A Lightweight Authentication Mechanism for Unmanned Vehicles. <i>IEEE Access</i> , 2020, 8, 43711-43724.	2.6	120
21	Fog computing for sustainable smart cities in the IoT era: Caching techniques and enabling technologies - an overview. <i>Sustainable Cities and Society</i> , 2020, 59, 102139.	5.1	120
22	Notice of Retraction: AI Techniques for COVID-19. <i>IEEE Access</i> , 2020, 8, 128776-128795.	2.6	117
23	Small Cells in the Forthcoming 5G/IoT: Traffic Modelling and Deployment Overview. <i>IEEE Communications Surveys and Tutorials</i> , 2019, 21, 28-65.	24.8	107
24	Efficient deployment of wireless sensor networks targeting environment monitoring applications. <i>Computer Communications</i> , 2013, 36, 135-148.	3.1	101
25	Cognitive routing protocol for disaster-inspired Internet of Things. <i>Future Generation Computer Systems</i> , 2019, 92, 1103-1115.	4.9	99
26	Reliability of response region: A novel mechanism in visual tracking by edge computing for IIoT environments. <i>Mechanical Systems and Signal Processing</i> , 2020, 138, 106537.	4.4	98
27	A hybrid secure routing and monitoring mechanism in IoT-based wireless sensor networks. <i>Ad Hoc Networks</i> , 2020, 97, 102022.	3.4	93
28	Information-centric sensor networks for cognitive IoT: an overview. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , 2017, 72, 3-18.	1.6	85
29	Smart Mutual Authentication Protocol for Cloud Based Medical Healthcare Systems Using Internet of Medical Things. <i>IEEE Journal on Selected Areas in Communications</i> , 2021, 39, 346-360.	9.7	82
30	A Secure and Reliable Device Access Control Scheme for IoT Based Sensor Cloud Systems. <i>IEEE Access</i> , 2020, 8, 139244-139254.	2.6	81
31	Optimizing Multipath Routing With Guaranteed Fault Tolerance in Internet of Things. <i>IEEE Sensors Journal</i> , 2017, 17, 6463-6473.	2.4	79
32	Intelligence and security in big 5G-oriented IoNT: An overview. <i>Future Generation Computer Systems</i> , 2020, 102, 357-368.	4.9	79
33	Smart home security: challenges, issues and solutions at different IoT layers. <i>Journal of Supercomputing</i> , 2021, 77, 14053-14089.	2.4	79
34	A Priced Public Sensing Framework for Heterogeneous IoT Architectures. <i>IEEE Transactions on Emerging Topics in Computing</i> , 2013, 1, 133-147.	3.2	77
35	Survival Study on Blockchain Based 6G-Enabled Mobile Edge Computation for IoT Automation. <i>IEEE Access</i> , 2020, 8, 143453-143463.	2.6	77
36	I-AREOR: An energy-balanced clustering protocol for implementing green IoT in smart cities. <i>Sustainable Cities and Society</i> , 2020, 61, 102254.	5.1	75

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37	Quantifying Uncertainty in Internet of Medical Things and Big-Data Services Using Intelligence and Deep Learning. <i>IEEE Access</i> , 2019, 7, 115749-115759.	2.6	70
38	Intelligence, security, and vehicular sensor networks in internet of things (IoT)-enabled smart-cities: An overview. <i>Computers and Electrical Engineering</i> , 2020, 87, 106776.	3.0	70
39	A conceptual framework for blockchain smart contract adoption to manage real estate deals in smart cities. <i>Neural Computing and Applications</i> , 2023, 35, 5033-5054.	3.2	70
40	Seamless Key Agreement Framework for Mobile-Sink in IoT Based Cloud-Centric Secured Public Safety Sensor Networks. <i>IEEE Access</i> , 2017, 5, 24617-24631.	2.6	69
41	Securing Demand Response Management: A Certificate-Based Access Control in Smart Grid Edge Computing Infrastructure. <i>IEEE Access</i> , 2020, 8, 101235-101243.	2.6	68
42	5G/IoT-enabled UAVs for multimedia delivery in industry-oriented applications. <i>Multimedia Tools and Applications</i> , 2020, 79, 8627-8648.	2.6	66
43	Correcting design flaws: An improved and cloud assisted key agreement scheme in cyber physical systems. <i>Computer Communications</i> , 2020, 153, 527-537.	3.1	66
44	Barriers to the digitalisation and innovation of Australian Smart Real Estate: A managerial perspective on the technology non-adoption. <i>Environmental Technology and Innovation</i> , 2021, 22, 101527.	3.0	66
45	Optimized Multi-Constrained Quality-of-Service Multipath Routing Approach for Multimedia Sensor Networks. <i>IEEE Sensors Journal</i> , 2017, 17, 2298-2309.	2.4	64
46	Confidential smart-sensing framework in the IoT era. <i>Journal of Supercomputing</i> , 2018, 74, 5187-5198.	2.4	63
47	UAVs assessment in software-defined IoT networks: An overview. <i>Computer Communications</i> , 2020, 150, 519-536.	3.1	63
48	Analysis of Cross-Layer Design of Quality-of-Service Forward Geographic Wireless Sensor Network Routing Strategies in Green Internet of Things. <i>IEEE Access</i> , 2018, 6, 20371-20389.	2.6	62
49	Predicting the energy output of hybrid PV&wind renewable energy system using feature selection technique for smart grids. <i>Energy Reports</i> , 2021, 7, 8465-8475.	2.5	62
50	A data delivery framework for cognitive information-centric sensor networks in smart outdoor monitoring. <i>Computer Communications</i> , 2016, 74, 38-51.	3.1	61
51	Quantifying connectivity in wireless sensor networks with grid-based deployments. <i>Journal of Network and Computer Applications</i> , 2013, 36, 368-377.	5.8	60
52	Software-defined wireless sensor networks in smart grids: An overview. <i>Sustainable Cities and Society</i> , 2019, 51, 101754.	5.1	60
53	Enhanced Deployment Strategy for the 5G Drone-BS Using Artificial Intelligence. <i>IEEE Access</i> , 2019, 7, 75999-76008.	2.6	58
54	A delay-tolerant framework for integrated RSNs in IoT. <i>Computer Communications</i> , 2013, 36, 998-1010.	3.1	57

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55	Towards prolonged lifetime for deployed WSNs in outdoor environment monitoring. <i>Ad Hoc Networks</i> , 2015, 24, 172-185.	3.4	56
56	Data Delivery in Wireless Multimedia Sensor Networks: Challenging and Defying in the IoT Era. <i>IEEE Wireless Communications</i> , 2017, 24, 126-131.	6.6	56
57	Intelligent Robotic Chair With Thought Control and Communication Aid Using Higher Order Spectra Band Features. <i>IEEE Sensors Journal</i> , 2022, 22, 17362-17369.	2.4	55
58	A Three Layered Decentralized IoT Biometric Architecture for City Lockdown During COVID-19 Outbreak. <i>IEEE Access</i> , 2020, 8, 163608-163617.	2.6	54
59	Dominating Set Algorithms for Wireless Sensor Networks Survivability. <i>IEEE Access</i> , 2018, 6, 17527-17532.	2.6	52
60	Reviewer Credibility and Sentiment Analysis Based User Profile Modelling for Online Product Recommendation. <i>IEEE Access</i> , 2020, 8, 26172-26189.	2.6	52
61	Feature selection and classification in breast cancer prediction using IoT and machine learning. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 178, 109442.	2.5	52
62	A comprehensive survey on blockchain technology. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 52, 102039.	1.7	52
63	Efficient Image Recognition and Retrieval on IoT-Assisted Energy-Constrained Platforms From Big Data Repositories. <i>IEEE Internet of Things Journal</i> , 2019, 6, 9246-9255.	5.5	50
64	Machine learning for wearable IoT-based applications: A survey. <i>Transactions on Emerging Telecommunications Technologies</i> , 2022, 33, e3635.	2.6	49
65	Hybridized sine cosine algorithm with convolutional neural networks dropout regularization application. <i>Scientific Reports</i> , 2022, 12, 6302.	1.6	49
66	Energy Scavenging Methods for WBAN Applications: A Review. <i>IEEE Sensors Journal</i> , 2018, 18, 6477-6488.	2.4	48
67	A Novel Security Model for Cooperative Virtual Networks in the IoT Era. <i>International Journal of Parallel Programming</i> , 2020, 48, 280-295.	1.1	48
68	Optimized convolutional neural network by firefly algorithm for magnetic resonance image classification of glioma brain tumor grade. <i>Journal of Real-Time Image Processing</i> , 2021, 18, 1085-1098.	2.2	47
69	Secure data transmission framework for confidentiality in IoTs. <i>Ad Hoc Networks</i> , 2019, 95, 101989.	3.4	46
70	A smart lightweight privacy preservation scheme for IoT-based UAV communication systems. <i>Computer Communications</i> , 2020, 162, 102-117.	3.1	46
71	Learning Data Delivery Paths in QoI-Aware Information-Centric Sensor Networks. <i>IEEE Internet of Things Journal</i> , 2016, 3, 572-580.	5.5	45
72	Privacy-Aware Energy-Efficient Framework Using the Internet of Medical Things for COVID-19. <i>IEEE Internet of Things Magazine</i> , 2020, 3, 64-68.	2.0	43

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73	An improved ensemble based intrusion detection technique using XGBoost. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4076.	2.6	43
74	A novel approach for drones positioning in mission critical applications. Transactions on Emerging Telecommunications Technologies, 2022, 33, e3603.	2.6	42
75	Information-centric framework for the Internet of Things (IoT): Traffic modeling& optimization. Future Generation Computer Systems, 2018, 80, 63-75.	4.9	41
76	Blockchain-Based Cryptocurrency Regulation: An Overview. Computational Economics, 2022, 59, 1659-1675.	1.5	41
77	Deep learning in medical imaging: A brief review. Transactions on Emerging Telecommunications Technologies, 2022, 33, e4080.	2.6	41
78	An automated breast cancer diagnosis using feature selection and parameter optimization in ANN. Computers and Electrical Engineering, 2021, 90, 106958.	3.0	41
79	Digital-twin assisted: Fault diagnosis using deep transfer learning for machining tool condition. International Journal of Intelligent Systems, 2022, 37, 10289-10316.	3.3	40
80	Energy monitoring in IoT-based ad hoc networks: An overview. Computers and Electrical Engineering, 2019, 76, 133-142.	3.0	39
81	An intrusion detection scheme based on the ensemble of discriminant classifiers. Computers and Electrical Engineering, 2020, 86, 106742.	3.0	39
82	Artificial Muscle Intelligence System With Deep Learning for Post-Stroke Assistance and Rehabilitation. IEEE Access, 2019, 7, 133463-133473.	2.6	38
83	IoT-Based Humanoid Software for Identification and Diagnosis of Covid-19 Suspects. IEEE Sensors Journal, 2022, 22, 17490-17496.	2.4	38
84	Feasibility analysis of solar photovoltaic-wind hybrid energy system for household applications. Computers and Electrical Engineering, 2020, 86, 106743.	3.0	38
85	A novel community-based trust aware recommender systems for big data cloud service networks. Sustainable Cities and Society, 2020, 61, 102274.	5.1	37
86	Managing smart cities through six sigma DMADICV method: A review-based conceptual framework. Sustainable Cities and Society, 2021, 72, 103022.	5.1	37
87	LCPC error correction code for IoT applications. Sustainable Cities and Society, 2018, 42, 663-673.	5.1	36
88	Proficient QoS-Based Target Coverage Problem in Wireless Sensor Networks. IEEE Access, 2020, 8, 74315-74325.	2.6	36
89	Price-based data delivery framework for dynamic and pervasive IoT. Pervasive and Mobile Computing, 2017, 42, 299-316.	2.1	35
90	Optimized Unmanned Aerial Vehicles Deployment for Static and Mobile Targets™ Monitoring. Computer Communications, 2020, 149, 27-35.	3.1	35

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91	Intrusion Prevention System for DDoS Attack on VANET With reCAPTCHA Controller Using Information Based Metrics. IEEE Access, 2019, 7, 158481-158491.	2.6	34
92	Task scheduling in cloud-based survivability applications using swarm optimization in IoT. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3539.	2.6	34
93	IoT-BSFCAN: A smart context-aware system in IoT-Cloud using mobile-fogging. Future Generation Computer Systems, 2020, 109, 368-381.	4.9	34
94	Lightweight Privacy and Confidentiality Preserving Anonymous Authentication Scheme for WBANs. IEEE Transactions on Industrial Informatics, 2022, 18, 3484-3491.	7.2	34
95	Artificial intelligence and blockchain: A review. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4268.	2.6	34
96	COVID-19 in the Age of Artificial Intelligence: A Comprehensive Review. Interdisciplinary Sciences, Computational Life Sciences, 2021, 13, 153-175.	2.2	34
97	Pandemic coronavirus disease (Covid-19): World effects analysis and prediction using machine learning techniques. Expert Systems, 2022, 39, .	2.9	34
98	Bootstrap aggregative mean shift clustering for big data anti-pattern detection analytics in 5G/6G communication networks. Computers and Electrical Engineering, 2021, 95, 107380.	3.0	34
99	Optimized relay placement for wireless sensor networks federation in environmental applications. Wireless Communications and Mobile Computing, 2011, 11, 1677-1688.	0.8	33
100	Fog-based caching in software-defined information-centric networks. Computers and Electrical Engineering, 2018, 69, 54-67.	3.0	33
101	Capturing-the-Invisible (CTI): Behavior-Based Attacks Recognition in IoT-Oriented Industrial Control Systems. IEEE Access, 2020, 8, 104956-104966.	2.6	33
102	MTCEE-LLN: Multilayer Threshold Cluster-Based Energy-Efficient Low-Power and Lossy Networks for Industrial Internet of Things. IEEE Internet of Things Journal, 2022, 9, 4940-4948.	5.5	31
103	UAVs joint optimization problems and machine learning to improve the 5G and Beyond communication. Computer Networks, 2020, 182, 107478.	3.2	30
104	Artificial intelligence inspired energy and spectrum aware cluster based routing protocol for cognitive radio sensor networks. Journal of Parallel and Distributed Computing, 2020, 142, 90-105.	2.7	30
105	A bio-inspired privacy-preserving framework for healthcare systems. Journal of Supercomputing, 2021, 77, 11099-11134.	2.4	30
106	CAR Approach for the Internet of Things. Canadian Journal of Electrical and Computer Engineering, 2016, 39, 11-18.	1.5	29
107	Mobile Couriers™ selection for the Smart-grid in Smart-cities™ Pervasive Sensing. Future Generation Computer Systems, 2018, 82, 327-341.	4.9	29
108	Source Code Authorship Attribution Using Hybrid Approach of Program Dependence Graph and Deep Learning Model. IEEE Access, 2019, 7, 141987-141999.	2.6	29

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109	A trust-based fuzzy neural network for smart data fusion in internet of things. Computers and Electrical Engineering, 2021, 89, 106901.	3.0	29
110	Privacy-preserving in smart contracts using blockchain and artificial intelligence for cyber risk measurements. Journal of Information Security and Applications, 2021, 58, 102749.	1.8	29
111	Energy Aware Resource Allocation in Multi-Hop Multimedia Routing via the Smart Edge Device. IEEE Access, 2019, 7, 151203-151214.	2.6	28
112	Futuristic CRISPR-based biosensing in the cloud and internet of things era: an overview. Multimedia Tools and Applications, 2022, 81, 35143-35171.	2.6	28
113	Increasing privacy and security by integrating a Blockchain Secure Interface into an IoT Device Security Gateway Architecture. Energy Reports, 2021, 7, 8075-8082.	2.5	28
114	Energy-efficient blockchain implementation for Cognitive Wireless Communication Networks (CWCNs). Energy Reports, 2021, 7, 8277-8286.	2.5	28
115	Seamless secure anonymous authentication for cloud-based mobile edge computing. Computers and Electrical Engineering, 2020, 87, 106782.	3.0	27
116	Lightweight authentication for IoT/Cloud-based forensics in intelligent data computing. Future Generation Computer Systems, 2021, 116, 406-425.	4.9	27
117	Time Difference of Arrival Based Indoor Positioning System Using Visible Light Communication. IEEE Access, 2021, 9, 52113-52124.	2.6	27
118	Energy and spectrum aware unequal clustering with deep learning based primary user classification in cognitive radio sensor networks. International Journal of Machine Learning and Cybernetics, 2021, 12, 3261-3294.	2.3	26
119	Dynamic small cell placement strategies for LTE Heterogeneous Networks. , 2014, , .		25
120	Energy-Aware Data Delivery Framework for Safety-Oriented Mobile IoT. IEEE Sensors Journal, 2018, 18, 470-478.	2.4	25
121	Network Experience Scheduling and Routing Approach for Big Data Transmission in the Internet of Things. IEEE Access, 2019, 7, 14501-14512.	2.6	25
122	IoT-based green city architecture using secured and sustainable android services. Environmental Technology and Innovation, 2020, 20, 101091.	3.0	25
123	Seamless Authentication: For IoT-Big Data Technologies in Smart Industrial Application Systems. IEEE Transactions on Industrial Informatics, 2021, 17, 2919-2927.	7.2	25
124	Convolutional neural networks for the classification of chest X-rays in the IoT era. Multimedia Tools and Applications, 2021, 80, 29051-29065.	2.6	25
125	ZIGBEE Based Time and Energy Efficient Smart Parking System Using IOT. , 2018, , .		24
126	Activity Pattern Mining for Healthcare. IEEE Access, 2020, 8, 56730-56738.	2.6	24

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127	A novel cost-effective architecture and deployment strategy for integrated RFID and WSN systems. , 2012, , .		23
128	Low Complexity Parity Check Code for Futuristic Wireless Networks Applications. IEEE Access, 2018, 6, 18398-18407.	2.6	23
129	The Green Internet of Things (G-IoT). Wireless Communications and Mobile Computing, 2019, 2019, 1-2.	0.8	23
130	Cognitive-Node Architecture and a Deployment Strategy for the Future WSNs. Mobile Networks and Applications, 2019, 24, 1663-1681.	2.2	23
131	Parkinson Data Analysis and Prediction System Using Multi-Variant Stacked Auto Encoder. IEEE Access, 2020, 8, 127004-127013.	2.6	23
132	Deep learning, machine learning and internet of things in geophysical engineering applications: An overview. Microprocessors and Microsystems, 2021, 80, 103613.	1.8	23
133	Deep Learning Enabled Data Offloading With Cyber Attack Detection Model in Mobile Edge Computing Systems. IEEE Access, 2020, 8, 185938-185949.	2.6	22
134	An energy-efficient topology control algorithm for optimizing the lifetime of wireless ad-hoc IoT networks in 5G and B5G. Computer Communications, 2020, 159, 83-96.	3.1	22
135	A Privacy Enhanced Authentication Scheme for Securing Smart Grid Infrastructure. IEEE Transactions on Industrial Informatics, 2022, 18, 5000-5006.	7.2	22
136	Game theory based secure wireless powered D2D communications with cooperative jamming. , 2017, , .		21
137	Binary search tree based hierarchical placement algorithm for IoT based smart parking applications. Internet of Things (Netherlands), 2019, 5, 71-83.	4.9	21
138	The road towards plant phenotyping via WSNs: An overview. Computers and Electronics in Agriculture, 2019, 161, 4-13.	3.7	21
139	The limitations in the state-of-the-art counter-measures against the security threats in H-IoT. Cluster Computing, 2020, 23, 2047-2065.	3.5	21
140	MFW: Mobile femtocells utilizing WiFi: A data offloading framework for cellular networks using mobile femtocells. , 2013, , .		20
141	Online heuristics for monetary-based courier relaying in RFID-Sensor Networks. , 2013, , .		20
142	Enhanced Data Delivery framework for dynamic Information-Centric Networks (ICNs). , 2013, , .		20
143	SWARM-based data delivery in Social Internet of Things. Future Generation Computer Systems, 2019, 92, 821-836.	4.9	20
144	An enhanced intelligent model: To protect marine IoT sensor environment using ensemble machine learning approach. Ocean Engineering, 2021, 242, 110180.	1.9	20

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145	Impact of user's habits on smartphones' sensors: An overview. , 2016, , .		19
146	Energy Efficiency Perspectives of Femtocells in Internet of Things: Recent Advances and Challenges. IEEE Access, 2017, 5, 26808-26818.	2.6	19
147	A rational data delivery framework for disaster-inspired internet of nano-things (IoNT) in practice. Cluster Computing, 2019, 22, 1751-1763.	3.5	19
148	Secure-user sign-in authentication for IoT-based eHealth systems. Complex & Intelligent Systems, 2023, 9, 2629-2649.	4.0	19
149	Cyber security in mobile social networks. , 2021, , 55-81.		19
150	BAIV: An Efficient Blockchain-Based Anonymous Authentication and Integrity Preservation Scheme for Secure Communication in VANETs. Electronics (Switzerland), 2022, 11, 488.	1.8	19
151	Towards augmented connectivity with delay constraints in WSN federation. International Journal of Ad Hoc and Ubiquitous Computing, 2012, 11, 97.	0.3	18
152	Pruned Adaptive Routing in the heterogeneous Internet of Things. , 2012, , .		18
153	Modelling green HetNets in dynamic ultra large-scale applications: A case-study for femtocells in smart-cities. Computer Networks, 2017, 128, 78-93.	3.2	18
154	A systematic approach for COVID-19 predictions and parameter estimation. Personal and Ubiquitous Computing, 2023, 27, 675-687.	1.9	18
155	Performance evaluation of hybrid disaster recovery framework with D2D communications. Computer Communications, 2020, 152, 81-92.	3.1	18
156	Collaborative-trust approach toward malicious node detection in vehicular ad hoc networks. Environment, Development and Sustainability, 2022, 24, 7532-7550.	2.7	18
157	Design and Testing of Automated Smoke Monitoring Sensors in Vehicles. IEEE Sensors Journal, 2022, 22, 17497-17504.	2.4	18
158	March DSS: A New Diagnostic March Test for All Memory Simple Static Faults. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2007, 26, 1713-1720.	1.9	17
159	Green Femtocells in the IoT Era: Traffic Modeling and Challenges – An Overview. IEEE Network, 2017, 31, 48-55.	4.9	17
160	Smart-grid and solar energy harvesting in the IoT era: An overview. Concurrency Computation Practice and Experience, 2021, 33, e4896.	1.4	17
161	Machine learning-data mining integrated approach for premature ventricular contraction prediction. Neural Computing and Applications, 2021, 33, 11703-11719.	3.2	17
162	Advertising through UAVs: Optimized path system for delivering smart real-estate advertisement materials. International Journal of Intelligent Systems, 2021, 36, 3429-3463.	3.3	17

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163	Anonymous Mutual and Batch Authentication with Location Privacy of UAV in FANET. Drones, 2022, 6, 14.	2.7	17
164	Cluster-Based Routing Protocol with Static Hub (CRPSH) for WSN-Assisted IoT Networks. Sustainability, 2022, 14, 7304.	1.6	17
165	Optimized relay repositioning for Wireless Sensor Networks applied in environmental applications. , 2011, , .		16
166	Optimized Relay Placement to Federate Wireless Sensor Networks in environmental applications. , 2011, , .		16
167	A value-based cache replacement approach for Information-Centric Networks. , 2013, , .		16
168	Hybrid Approach for Mobile Couriers Election in Smart-Cities. , 2016, , .		16
169	5G in a Convergent Internet of Things Era: An Overview. , 2018, , .		16
170	A Hash-Based RFID Authentication Mechanism for Context-Aware Management in IoT-Based Multimedia Systems. Sensors, 2019, 19, 3821.	2.1	16
171	Intelligent IoT Communication in Smart Environments: An Overview. Transactions on Computational Science and Computational Intelligence, 2019, , 207-221.	0.3	16
172	Security Challenges and Cyber Forensic Ecosystem in IoT Driven BYOD Environment. IEEE Access, 2020, 8, 172770-172782.	2.6	16
173	Cognitive Intelligence for Monitoring Fractured Post-Surgery Ankle Activity Using Channel Information. IEEE Access, 2020, 8, 112113-112129.	2.6	16
174	Monitoring Movements of Ataxia Patient by Using UWB Technology. Sensors, 2020, 20, 931.	2.1	16
175	Load Balancing Algorithm on the Immense Scale of Internet of Things in SDN for Smart Cities. Sustainability, 2021, 13, 9587.	1.6	16
176	A comprehensive survey on security issues in vehicle-to-grid networks. Journal of Control and Decision, 2023, 10, 150-159.	0.7	16
177	Optimized Hexagon-Based Deployment for Large-Scale Ubiquitous Sensor Networks. Journal of Network and Systems Management, 2018, 26, 255-283.	3.3	15
178	A Cognitive Routing Protocol for Bio-Inspired Networking in the Internet of Nano-Things (IoNT). Mobile Networks and Applications, 2020, 25, 1929-1943.	2.2	15
179	Image and command hybrid model for vehicle control using Internet of Vehicles. Transactions on Emerging Telecommunications Technologies, 2020, 31, e3774.	2.6	15
180	Chaotic-map based authenticated security framework with privacy preservation for remote point-of-care. Multimedia Tools and Applications, 2021, 80, 17103-17128.	2.6	15

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181	Multiphase fault tolerance genetic algorithm for vm and task scheduling in datacenter. Information Processing and Management, 2021, 58, 102676.	5.4	15
182	Local binary pattern and deep learning feature extraction fusion for COVID-19 detection on computed tomography images. Expert Systems, 2022, 39, .	2.9	15
183	Mobile traffic modelling for wireless multimedia sensor networks in IoT. Computer Communications, 2017, 112, 109-115.	3.1	15
184	Connectivity optimization with realistic lifetime constraints for node placement in environmental monitoring. , 2009, , .		14
185	A Novel Relay Selection Game in Cooperative Wireless Networks Based on Combinatorial Optimization. , 2011, , .		14
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