

Joel J P C Rodrigues

List of Publications by Year in descending order

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Version: 2024-02-01

1,071
papers

30,206
citations

4942

84
h-index

16127

124
g-index

1123
all docs

1123
docs citations

1123
times ranked

22978
citing authors

#	ARTICLE	IF	CITATIONS
1	Mobile-health: A review of current state in 2015. Journal of Biomedical Informatics, 2015, 56, 265-272.	2.5	694
2	A novel deep learning based framework for the detection and classification of breast cancer using transfer learning. Pattern Recognition Letters, 2019, 125, 1-6.	2.6	516
3	Cloud Computing Applications for Smart Grid: A Survey. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 1477-1494.	4.0	346
4	Enabling Technologies for the Internet of Health Things. IEEE Access, 2018, 6, 13129-13141.	2.6	299
5	Identifying pneumonia in chest X-rays: A deep learning approach. Measurement: Journal of the International Measurement Confederation, 2019, 145, 511-518.	2.5	299
6	Edge Computing in the Industrial Internet of Things Environment: Software-Defined-Networks-Based Edge-Cloud Interplay. , 2018, 56, 44-51.		297
7	Smart technologies for promotion of energy efficiency, utilization of sustainable resources and waste management. Journal of Cleaner Production, 2019, 231, 565-591.	4.6	282
8	Wireless Sensor Networks: a Survey on Environmental Monitoring. Journal of Communications, 2011, 6, .	1.3	268
9	5G D2D Networks: Techniques, Challenges, and Future Prospects. IEEE Systems Journal, 2018, 12, 3970-3984.	2.9	262
10	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
11	Cyber-physical systems architectures for industrial internet of things applications in Industry 4.0: A literature review. Journal of Manufacturing Systems, 2021, 58, 176-192.	7.6	212
12	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
13	Deep Reinforcement Learning for Vehicular Edge Computing. ACM Transactions on Intelligent Systems and Technology, 2019, 10, 1-24.	2.9	202
14	A Reference Model for Internet of Things Middleware. IEEE Internet of Things Journal, 2018, 5, 871-883.	5.5	200
15	Mobile Edge Computing-Enabled Internet of Vehicles: Toward Energy-Efficient Scheduling. IEEE Network, 2019, 33, 198-205.	4.9	200
16	Energy meters evolution in smart grids: A review. Journal of Cleaner Production, 2019, 217, 702-715.	4.6	200
17	Metaheuristic Scheduling for Cloud: A Survey. IEEE Systems Journal, 2014, 8, 279-291.	2.9	197
18	Clustering in vehicular ad hoc networks: Taxonomy, challenges and solutions. Vehicular Communications, 2014, 1, 134-152.	2.7	197

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19	Toward ubiquitous mobility solutions for body sensor networks on healthcare. IEEE Communications Magazine, 2012, 50, 108-115.	4.9	192
20	From Delay-Tolerant Networks to Vehicular Delay-Tolerant Networks. IEEE Communications Surveys and Tutorials, 2012, 14, 1166-1182.	24.8	189
21	GeoSpray: A geographic routing protocol for vehicular delay-tolerant networks. Information Fusion, 2014, 15, 102-113.	11.7	189
22	A comprehensive survey on network anomaly detection. Telecommunication Systems, 2019, 70, 447-489.	1.6	184
23	Blockchain in Smart Grids: A Review on Different Use Cases. Sensors, 2019, 19, 4862.	2.1	184
24	A deep learning-based social distance monitoring framework for COVID-19. Sustainable Cities and Society, 2021, 65, 102571.	5.1	184
25	Cloud Centric Authentication for Wearable Healthcare Monitoring System. IEEE Transactions on Dependable and Secure Computing, 2020, 17, 942-956.	3.7	178
26	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
27	BHEEM: A Blockchain-Based Framework for Securing Electronic Health Records. , 2018, , .		176
28	Decentralized Consensus for Edge-Centric Internet of Things: A Review, Taxonomy, and Research Issues. IEEE Access, 2018, 6, 1513-1524.	2.6	169
29	An IoT-based mobile gateway for intelligent personal assistants on mobile health environments. Journal of Network and Computer Applications, 2016, 71, 194-204.	5.8	168
30	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
31	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
32	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
33	A systematic review on heterogeneous routing protocols for wireless sensor network. Journal of Network and Computer Applications, 2015, 53, 39-56.	5.8	150
34	A context-aware system architecture for leak point detection in the large-scale petrochemical industry. IEEE Communications Magazine, 2014, 52, 62-69.	4.9	147
35	Vehicular delay-tolerant networks for smart grid data management using mobile edge computing. , 2016, 54, 60-66.		147
36	Underwater Wireless Sensor Communications in the 2.4 GHz ISM Frequency Band. Sensors, 2012, 12, 4237-4264.	2.1	145

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37	Adapting weather conditions based IoT enabled smart irrigation technique in precision agriculture mechanisms. <i>Neural Computing and Applications</i> , 2019, 31, 277-292.	3.2	142
38	Data Offloading in 5G-Enabled Software-Defined Vehicular Networks: A Stackelberg-Game-Based Approach. <i>IEEE Communications Magazine</i> , 2017, 55, 100-108.	4.9	140
39	An early detection of low rate DDoS attack to SDN based data center networks using information distance metrics. <i>Future Generation Computer Systems</i> , 2018, 89, 685-697.	4.9	139
40	Privacy Preserving Data Aggregation Scheme for Mobile Edge Computing Assisted IoT Applications. <i>IEEE Internet of Things Journal</i> , 2019, 6, 4755-4763.	5.5	139
41	Impacts of Deployment Strategies on Localization Performance in Underwater Acoustic Sensor Networks. <i>IEEE Transactions on Industrial Electronics</i> , 2015, 62, 1725-1733.	5.2	138
42	BAKMP-IoMT: Design of Blockchain Enabled Authenticated Key Management Protocol for Internet of Medical Things Deployment. <i>IEEE Access</i> , 2020, 8, 95956-95977.	2.6	138
43	Analysis of the Security and Privacy Requirements of Cloud-Based Electronic Health Records Systems. <i>Journal of Medical Internet Research</i> , 2013, 15, e186.	2.1	137
44	A survey on cross-layer solutions for wireless sensor networks. <i>Journal of Network and Computer Applications</i> , 2011, 34, 523-534.	5.8	136
45	Cloud Mobile Media: Reflections and Outlook. <i>IEEE Transactions on Multimedia</i> , 2014, 16, 885-902.	5.2	136
46	Fog Computing for Smart Grid Systems in the 5G Environment: Challenges and Solutions. <i>IEEE Wireless Communications</i> , 2019, 26, 47-53.	6.6	134
47	Social Sensor Cloud: Framework, Greenness, Issues, and Outlook. <i>IEEE Network</i> , 2018, 32, 100-105.	4.9	133
48	Provably Secure Fine-Grained Data Access Control Over Multiple Cloud Servers in Mobile Cloud Computing Based Healthcare Applications. <i>IEEE Transactions on Industrial Informatics</i> , 2019, 15, 457-468.	7.2	126
49	Deep Reinforcement Learning for Intelligent Internet of Vehicles: An Energy-Efficient Computational Offloading Scheme. <i>IEEE Transactions on Cognitive Communications and Networking</i> , 2019, 5, 1060-1072.	4.9	124
50	Sustainable Service Allocation Using a Metaheuristic Technique in a Fog Server for Industrial Applications. <i>IEEE Transactions on Industrial Informatics</i> , 2018, 14, 4497-4506.	7.2	123
51	Multiobjective 3-D Topology Optimization of Next-Generation Wireless Data Center Network. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 3597-3605.	7.2	123
52	Trust-Based Communication for the Industrial Internet of Things. , 2018, 56, 16-22.		121
53	Provably Secure ECC-Based Device Access Control and Key Agreement Protocol for IoT Environment. <i>IEEE Access</i> , 2019, 7, 55382-55397.	2.6	121
54	Machine learning in the Internet of Things: Designed techniques for smart cities. <i>Future Generation Computer Systems</i> , 2019, 100, 826-843.	4.9	121

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55	Authentication in cloud-driven IoT-based big data environment: Survey and outlook. Journal of Systems Architecture, 2019, 97, 185-196.	2.5	120
56	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
57	Real-time data management on wireless sensor networks: A survey. Journal of Network and Computer Applications, 2012, 35, 1013-1021.	5.8	114
58	Towards energy-aware fog-enabled cloud of things for healthcare. Computers and Electrical Engineering, 2018, 67, 58-69.	3.0	112
59	IoT-Based Solid Waste Management Solutions: A Survey. Journal of Sensor and Actuator Networks, 2019, 8, 5.	2.3	109
60	Internet of Things for In-Home Health Monitoring Systems: Current Advances, Challenges and Future Directions. IEEE Journal on Selected Areas in Communications, 2021, 39, 300-310.	9.7	106
61	A Multi-Tenant Cloud-Based DC Nano Grid for Self-Sustained Smart Buildings in Smart Cities. , 2017, 55, 14-21.		105
62	Effective Features to Classify Big Data Using Social Internet of Things. IEEE Access, 2018, 6, 24196-24204.	2.6	104
63	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
64	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
65	Graph Neural Network-Driven Traffic Forecasting for the Connected Internet of Vehicles. IEEE Transactions on Network Science and Engineering, 2022, 9, 3015-3027.	4.1	103
66	A Machine Learning-Based Protocol for Efficient Routing in Opportunistic Networks. IEEE Systems Journal, 2018, 12, 2207-2213.	2.9	102
67	Physical-Layer Network Coding: An Efficient Technique for Wireless Communications. IEEE Network, 2020, 34, 270-276.	4.9	102
68	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
69	Joint Computation Offloading, Power Allocation, and Channel Assignment for 5G-Enabled Traffic Management Systems. IEEE Transactions on Industrial Informatics, 2019, 15, 3058-3067.	7.2	100
70	A Smart Waste Management Solution Geared towards Citizens. Sensors, 2020, 20, 2380.	2.1	100
71	Fully automatic model-based segmentation and classification approach for MRI brain tumor using artificial neural networks. Concurrency Computation Practice and Experience, 2020, 32, e4962.	1.4	99
72	Optimized Big Data Management across Multi-Cloud Data Centers: Software-Defined-Network-Based Analysis. , 2018, 56, 118-126.		98

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73	Alzheimer detection using Group Grey Wolf Optimization based features with convolutional classifier. Computers and Electrical Engineering, 2019, 77, 230-243.	3.0	98
74	An efficient deep model for day-ahead electricity load forecasting with stacked denoising auto-encoders. Journal of Parallel and Distributed Computing, 2018, 117, 267-273.	2.7	97
75	IoT Malware Detection Approaches: Analysis and Research Challenges. IEEE Access, 2019, 7, 182459-182476.	2.6	95
76	IoT enabled depthwise separable convolution neural network with deep support vector machine for COVID-19 diagnosis and classification. International Journal of Machine Learning and Cybernetics, 2021, 12, 3235-3248.	2.3	94
77	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
78	Detection of subtype blood cells using deep learning. Cognitive Systems Research, 2018, 52, 1036-1044.	1.9	92
79	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
80	Routing and mobility approaches in IPv6 over LoWPAN mesh networks. International Journal of Communication Systems, 2011, 24, 1445-1466.	1.6	90
81	A Comprehensive Review on Smart Decision Support Systems for Health Care. IEEE Systems Journal, 2019, 13, 3536-3545.	2.9	90
82	Secure and Lightweight Authentication Scheme for Smart Metering Infrastructure in Smart Grid. IEEE Transactions on Industrial Informatics, 2020, 16, 3548-3557.	7.2	90
83	Automatic Vehicle License Plate Recognition Using Optimal K-Means With Convolutional Neural Network for Intelligent Transportation Systems. IEEE Access, 2020, 8, 92907-92917.	2.6	90
84	Bayesian Coalition Game for Contention-Aware Reliable Data Forwarding in Vehicular Mobile Cloud. Future Generation Computer Systems, 2015, 48, 60-72.	4.9	89
85	Toward trustworthy crowdsourcing in the social internet of things. IEEE Wireless Communications, 2016, 23, 30-36.	6.6	89
86	MAC Layer Protocols for Internet of Things: A Survey. Future Internet, 2019, 11, 16.	2.4	89
87	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
88	QoS-Aware Energy Management in Body Sensor Nodes Powered by Human Energy Harvesting. IEEE Sensors Journal, 2016, 16, 542-549.	2.4	88
89	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
90	A Cooperative Watchdog System to Detect Misbehavior Nodes in Vehicular Delay-Tolerant Networks. IEEE Transactions on Industrial Electronics, 2015, 62, 7929-7937.	5.2	87

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91	Enabling Technologies on Cloud of Things for Smart Healthcare. IEEE Access, 2018, 6, 31950-31967.	2.6	87
92	5G Waveforms for IoT Applications. IEEE Communications Surveys and Tutorials, 2019, 21, 2554-2567.	24.8	86
93	Performance evaluation of a Fog-assisted IoT solution for e-Health applications. Future Generation Computer Systems, 2019, 97, 379-386.	4.9	85
94	A lifetime extended multi-levels heterogeneous routing protocol for wireless sensor networks. Telecommunication Systems, 2015, 59, 43-62.	1.6	84
95	DOA Estimation for Coherently Distributed Sources Considering Circular and Noncircular Signals in Massive MIMO Systems. IEEE Systems Journal, 2017, 11, 41-49.	2.9	84
96	Data management techniques for Internet of Things. Mechanical Systems and Signal Processing, 2020, 138, 106564.	4.4	84
97	Geographic multipath routing based on geospatial division in duty-cycled underwater wireless sensor networks. Journal of Network and Computer Applications, 2016, 59, 4-13.	5.8	82
98	Balancing energy consumption with mobile agents in wireless sensor networks. Future Generation Computer Systems, 2012, 28, 446-456.	4.9	81
99	A layered architecture for Vehicular Delay-Tolerant Networks. , 2009, , .		80
100	Distributed Database Management Techniques for Wireless Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 604-620.	4.0	78
101	Pairing based anonymous and secure key agreement protocol for smart grid edge computing infrastructure. Future Generation Computer Systems, 2018, 88, 491-500.	4.9	78
102	Internet of Autonomous Vehicles Communications Security: Overview, Issues, and Directions. IEEE Wireless Communications, 2019, 26, 60-65.	6.6	77
103	Deep Learning Based Autonomous Vehicle Super Resolution DOA Estimation for Safety Driving. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4301-4315.	4.7	77
104	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
105	Routing Protocols for Low Power and Lossy Networks in Internet of Things Applications. Sensors, 2019, 19, 2144.	2.1	76
106	Robust one-time password authentication scheme using smart card for home network environment. Computer Communications, 2011, 34, 326-336.	3.1	75
107	SecSVA: Secure Storage, Verification, and Auditing of Big Data in the Cloud Environment. , 2018, 56, 78-85.		74
108	Biometric Authentication Using Mouse Gesture Dynamics. IEEE Systems Journal, 2013, 7, 262-274.	2.9	73

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109	Authentication Protocols in Internet of Vehicles: Taxonomy, Analysis, and Challenges. IEEE Access, 2020, 8, 54314-54344.	2.6	73
110	A Trust Cloud Model for Underwater Wireless Sensor Networks. IEEE Communications Magazine, 2017, 55, 110-116.	4.9	72
111	Performance evaluation of IoT middleware. Journal of Network and Computer Applications, 2018, 109, 53-65.	5.8	72
112	Near real-time security system applied to SDN environments in IoT networks using convolutional neural network. Computers and Electrical Engineering, 2020, 86, 106738.	3.0	72
113	A survey of QoS/QoE mechanisms in heterogeneous wireless networks. Physical Communication, 2014, 13, 61-72.	1.2	71
114	Artificial Intelligence based QoS optimization for multimedia communication in IoV systems. Future Generation Computer Systems, 2019, 95, 667-680.	4.9	71
115	LSTM-Based Emotion Detection Using Physiological Signals: IoT Framework for Healthcare and Distance Learning in COVID-19. IEEE Internet of Things Journal, 2021, 8, 16863-16871.	5.5	71
116	Analysis of Cloud-Based Solutions on EHRs Systems in Different Scenarios. Journal of Medical Systems, 2012, 36, 3777-3782.	2.2	70
117	Sleep Scheduling for Geographic Routing in Duty-Cycled Mobile Sensor Networks. IEEE Transactions on Industrial Electronics, 2014, 61, 6346-6355.	5.2	69
118	IoT-Enabled Gas Sensors: Technologies, Applications, and Opportunities. Journal of Sensor and Actuator Networks, 2019, 8, 57.	2.3	69
119	Towards Smart Parking Based on Fog Computing. IEEE Access, 2018, 6, 70172-70185.	2.6	68
120	Usability feature extraction using modified crow search algorithm: a novel approach. Neural Computing and Applications, 2020, 32, 10915-10925.	3.2	68
121	MF-Adaboost: LDoS attack detection based on multi-features and improved Adaboost. Future Generation Computer Systems, 2020, 106, 347-359.	4.9	68
122	An energy efficient DOA estimation algorithm for uncorrelated and coherent signals in virtual MIMO systems. Telecommunication Systems, 2015, 59, 93-110.	1.6	67
123	FAAL: Fog computing-based patient monitoring system for ambient assisted living. , 2017, , .		67
124	Survey and analysis of current mobile learning applications and technologies. ACM Computing Surveys, 2013, 46, 1-35.	16.1	66
125	Dynamic p-Cycle Protection in Spectrum-Sliced Elastic Optical Networks. Journal of Lightwave Technology, 2014, 32, 1190-1199.	2.7	66
126	A Multi-Objective Demand Response Optimization Model for Scheduling Loads in a Home Energy Management System. Sensors, 2018, 18, 3207.	2.1	66

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127	Energy Efficiency QoS Assurance Routing in Wireless Multimedia Sensor Networks. IEEE Systems Journal, 2011, 5, 495-505.	2.9	65
128	HBPR: History Based Prediction for Routing in Infrastructure-less Opportunistic Networks. , 2013, , .		65
129	Analysis of mobile health applications for a broad spectrum of consumers: A user experience approach. Health Informatics Journal, 2014, 20, 74-84.	1.1	65
130	Authorship verification for short messages using stylometry. , 2013, , .		64
131	WicLoc: An indoor localization system based on WiFi fingerprints and crowdsourcing. , 2015, , .		64
132	A new IoT-based smart energy meter for smart grids. International Journal of Energy Research, 2021, 45, 189-202.	2.2	64
133	Deep Federated Learning Enhanced Secure POI Microservices for Cyber-Physical Systems. IEEE Wireless Communications, 2022, 29, 22-29.	6.6	64
134	A survey on IP-based wireless sensor network solutions. International Journal of Communication Systems, 2010, 23, 963-981.	1.6	63
135	Fog-Based Crime-Assistance in Smart IoT Transportation System. IEEE Access, 2018, 6, 11101-11111.	2.6	63
136	Cascading handcrafted features and Convolutional Neural Network for IoT-enabled brain tumor segmentation. Computer Communications, 2020, 153, 196-207.	3.1	63
137	QoE-driven power scheduling in smart grid: architecture, strategy, and methodology. IEEE Communications Magazine, 2012, 50, 136-141.	4.9	62
138	A Novel DOA Estimation Algorithm Using Array Rotation Technique. Future Internet, 2014, 6, 155-170.	2.4	62
139	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
140	UAV-Assisted Wireless Localization for Search and Rescue. IEEE Systems Journal, 2021, 15, 3261-3272.	2.9	62
141	A Blockchain-Based Shamir's Threshold Cryptography Scheme for Data Protection in Industrial Internet of Things Settings. IEEE Internet of Things Journal, 2022, 9, 8154-8167.	5.5	62
142	Green Routing Protocols for Wireless Multimedia Sensor Networks. IEEE Wireless Communications, 2016, 23, 140-146.	6.6	61
143	Model-Based Quantitative Network Security Metrics: A Survey. IEEE Communications Surveys and Tutorials, 2017, 19, 2704-2734.	24.8	61
144	Privacy and Security Issues in Online Social Networks. Future Internet, 2018, 10, 114.	2.4	61

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145	EPA-CPPA: An efficient, provably-secure and anonymous conditional privacy-preserving authentication scheme for vehicular ad hoc networks. Vehicular Communications, 2018, 13, 104-113.	2.7	61
146	Smart Energy Management and Demand Reduction by Consumers and Utilities in an IoT-Fog-Based Power Distribution System. IEEE Internet of Things Journal, 2019, 6, 7386-7394.	5.5	61
147	Heuristic Edge Server Placement in Industrial Internet of Things and Cellular Networks. IEEE Internet of Things Journal, 2021, 8, 10308-10317.	5.5	61
148	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
149	Performance evaluation of RESTful web services and AMQP protocol. , 2013, , .		58
150	Network anomaly detection using IP flows with Principal Component Analysis and Ant Colony Optimization. Journal of Network and Computer Applications, 2016, 64, 1-11.	5.8	58
151	Intelligent Personal Assistants Based on Internet of Things Approaches. IEEE Systems Journal, 2018, 12, 1793-1802.	2.9	58
152	Physically Secure Lightweight Anonymous User Authentication Protocol for Internet of Things Using Physically Unclonable Functions. IEEE Access, 2019, 7, 85627-85644.	2.6	58
153	Energy and performance aware fog computing: A case of DVFS and green renewable energy. Future Generation Computer Systems, 2019, 101, 1112-1121.	4.9	57
154	Parameters optimization of the dust absorbing structure for photovoltaic panel cleaning robot based on orthogonal experiment method. Journal of Cleaner Production, 2019, 217, 724-731.	4.6	57
155	Anomaly Detection Using Deep Neural Network for IoT Architecture. Applied Sciences (Switzerland), 2021, 11, 7050.	1.3	57
156	Policy and network-based intrusion detection system for IPv6-enabled wireless sensor networks. , 2014, , .		56
157	Energy and delay efficient fog computing using caching mechanism. Computer Communications, 2020, 154, 534-541.	3.1	56
158	DAGIoV: A Framework for Vehicle to Vehicle Communication Using Directed Acyclic Graph and Game Theory. IEEE Transactions on Vehicular Technology, 2020, 69, 4182-4191.	3.9	56
159	Novel Enhanced-Grey Wolf Optimization hybrid machine learning technique for biomedical data computation. Computers and Electrical Engineering, 2022, 99, 107778.	3.0	56
160	A Data Encryption Solution for Mobile Health Apps in Cooperation Environments. Journal of Medical Internet Research, 2013, 15, e66.	2.1	55
161	Comparative Analysis of Low Discrepancy Sequence-Based Initialization Approaches Using Population-Based Algorithms for Solving the Global Optimization Problems. Applied Sciences (Switzerland), 2021, 11, 7591.	1.3	54
162	Enhancing e-learning experience with online social networks. IET Communications, 2011, 5, 1147-1154.	1.5	53

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163	A comprehensive review of Data Mining techniques in smart agriculture. <i>Engineering in Agriculture, Environment and Food</i> , 2019, 12, 511-525.	0.2	53
164	IoT-Based Context-Aware Intelligent Public Transport System in a Metropolitan Area. <i>IEEE Internet of Things Journal</i> , 2020, 7, 6023-6034.	5.5	52
165	An Anonymous Batch Authentication and Key Exchange Protocols for 6G Enabled VANETs. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 1630-1638.	4.7	52
166	Vehicular Delay-Tolerant Networks? A Novel Solution for Vehicular Communications. <i>IEEE Intelligent Transportation Systems Magazine</i> , 2013, 5, 10-19.	2.6	51
167	Real-time query processing optimization for cloud-based wireless body area networks. <i>Information Sciences</i> , 2014, 284, 84-94.	4.0	51
168	Vehicle Route Selection Based on Game Evolution in Social Internet of Vehicles. <i>IEEE Internet of Things Journal</i> , 2018, 5, 2423-2430.	5.5	51
169	Postpartum depression prediction through pregnancy data analysis for emotion-aware smart systems. <i>Information Fusion</i> , 2019, 47, 23-31.	11.7	51
170	ADAI and Adaptive PSO-Based Resource Allocation for Wireless Sensor Networks. <i>IEEE Access</i> , 2019, 7, 131163-131171.	2.6	51
171	User authentication schemes with pseudonymity for ubiquitous sensor network in NGN. <i>International Journal of Communication Systems</i> , 2010, 23, 1201-1222.	1.6	50
172	Cooperation advances on vehicular communications: A survey. <i>Vehicular Communications</i> , 2014, 1, 22-32.	2.7	49
173	Cooperation strategies for vehicular delay-tolerant networks. <i>IEEE Communications Magazine</i> , 2015, 53, 88-94.	4.9	49
174	Intelligent Network Security Monitoring Based on Optimum-Path Forest Clustering. <i>IEEE Network</i> , 2019, 33, 126-131.	4.9	49
175	A preference-based demand response mechanism for energy management in a microgrid. <i>Journal of Cleaner Production</i> , 2020, 255, 120034.	4.6	49
176	GAER: genetic algorithm-based energy-efficient routing protocol for infrastructure-less opportunistic networks. <i>Journal of Supercomputing</i> , 2014, 69, 1183-1214.	2.4	48
177	QoS-Aware Hierarchical Web Caching Scheme for Online Video Streaming Applications in Internet-Based Vehicular Ad Hoc Networks. <i>IEEE Transactions on Industrial Electronics</i> , 2015, 62, 7892-7900.	5.2	48
178	LDKIM-ElIoT: Lightweight Device Authentication and Key Management Mechanism for Edge-Based IoT Deployment. <i>Sensors</i> , 2019, 19, 5539.	2.1	48
179	A shilling attack detector based on convolutional neural network for collaborative recommender system in social aware network. <i>Computer Journal</i> , 2018, 61, 949-958.	1.5	47
180	Back Propagation Neural Network Based Cluster Head Identification in MIMO Sensor Networks for Intelligent Transportation Systems. <i>IEEE Access</i> , 2020, 8, 28524-28532.	2.6	47

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181	Smart Parking Sensors: State of the Art and Performance Evaluation. Journal of Cleaner Production, 2020, 262, 121181.	4.6	47
182	A Comprehensive Review on Device-to-Device Communication Paradigm: Trends, Challenges and Applications. Wireless Personal Communications, 2020, 114, 185-207.	1.8	47
183	A Collaborative Secure Localization Algorithm Based on Trust Model in Underwater Wireless Sensor Networks. Sensors, 2016, 16, 229.	2.1	46
184	Distributed Wireless Video Scheduling With Delayed Control Information. IEEE Transactions on Circuits and Systems for Video Technology, 2014, 24, 889-901.	5.6	45
185	A Systematic Review of Techniques and Sources of Big Data in the Healthcare Sector. Journal of Medical Systems, 2017, 41, 183.	2.2	45
186	Design of Morlet Wavelet Neural Network for Solving a Class of Singular Pantograph Nonlinear Differential Models. IEEE Access, 2021, 9, 77845-77862.	2.6	45
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