Denis RosÃ¡rio

List of Publications by Year
in descending order

96 papers	**1,248** citations	516561 **16** h-index	477173 **29** g-index
96 all docs	**96** docs citations	**96** times ranked	**1157** citing authors

#	Article	IF	Citations
1	A Routing Protocol Based on Energy and Link Quality for Internet of Things Applications. Sensors, 2013, 13, 1942-1964.	2.1	111
2	F-LQE: A Fuzzy Link Quality Estimator for Wireless Sensor Networks. Lecture Notes in Computer Science, 2010, , 240-255.	1.0	94
3	Vehicular software-defined networking and fog computing: Integration and design principles. Ad Hoc Networks, 2019, 82, 172-181.	3.4	70
4	A beaconless Opportunistic Routing based on a cross-layer approach for efficient video dissemination in mobile multimedia IoT applications. Computer Communications, 2014, 45, 21-31.	3.1	57
5	Service Migration from Cloud to Multi-tier Fog Nodes for Multimedia Dissemination with QoE Support. Sensors, 2018, 18, 329.	2.1	49
6	Software-defined unmanned aerial vehicles networking for video dissemination services. Ad Hoc Networks, 2019, 83, 68-77.	3.4	46
7	RadiaLE: A framework for designing and assessing link quality estimators in wireless sensor networks. Ad Hoc Networks, 2011, 9, 1165-1185.	3.4	44
8	STFANET: SDN-Based Topology Management for Flying Ad Hoc Network. IEEE Access, 2019, 7, 173499-173514.	2.6	44
9	A Survey on Long-Range Wide-Area Network Technology Optimizations. IEEE Access, 2021, 9, 106079-106106.	2.6	38
10	Drone Swarms as Networked Control Systems by Integration of Networking and Computing. Sensors, 2021, 21, 2642.	2.1	34
11	Toward software-defined battlefield networking. , 2016, 54, 152-157.		33
12	Efficient data dissemination protocol based on complex networks' metrics for urban vehicular networks. Journal of Internet Services and Applications, 2019, 10, .	1.6	25
13	LoRaWAN Gateway Placement Model for Dynamic Internet of Things Scenarios. Sensors, 2020, 20, 4336.	2.1	25
14	Opportunistic routing for multi-flow video dissemination over Flying Ad-Hoc Networks. , 2014, , .		22
15	A relay placement mechanism based on UAV mobility for satisfactory video transmissions. , 2017, , .		22
16	A QoE handover architecture for converged heterogeneous wireless networks. Wireless Networks, 2013, 19, 2005-2020.	2.0	21
17	RELIABLE: Resource Allocation Mechanism for 5G Network using Mobile Edge Computing. Sensors, 2020, 20, 5449.	2.1	19
18	Topology and Link quality-aware Geographical opportunistic routing in wireless ad-hoc networks. , 2013, , .		18

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19	A novel fog-based resource allocation policy for vehicular clouds in the highway environment. , 2019, , .		18
20	Cooperative UAV Scheme for Enhancing Video Transmission and Global Network Energy Efficiency. Sensors, 2018, 18, 4155.	2.1	17
21	Heart of IoT: ECG as biometric sign for authentication and identification. , 2019, , .		17
22	Data Improvement Model Based on ECG Biometric for User Authentication and Identification. Sensors, 2020, 20, 2920.	2.1	17
23	An Investigation of Different Machine Learning Approaches for Epileptic Seizure Detection. , 2019, , .		16
24	An OMNeT++ Framework to Evaluate Video Transmission in Mobile Wireless Multimedia Sensor Networks. , 2013, , .		16
25	Adaptive priority-aware LoRaWAN resource allocation for Internet of Things applications. Ad Hoc Networks, 2021, 122, 102598.	3.4	15
26	ECG-Based User Authentication and Identification Method on VANETs. , 2018, , .		14
27	Satisfactory video dissemination on FANETs based on an enhanced UAV relay placement service. Annales Des Telecommunications/Annals of Telecommunications, 2018, 73, 601-612.	1.6	14
28	A Game Theory Approach for Platoon-Based Driving for Multimedia Transmission in VANETs. Wireless Communications and Mobile Computing, 2018, 2018, 1-11.	0.8	14
29	Dynamic Microservice Allocation for Virtual Reality Distribution With QoE Support. IEEE Transactions on Network and Service Management, 2022, 19, 729-740.	3.2	14
30	Smart Unmanned Aerial Vehicles as base stations placement to improve the mobile network operations. Computer Communications, 2022, 181, 45-57.	3.1	14
31	A testbed for the evaluation of link quality estimators in wireless sensor networks. , 2010, , .		13
32	Cluster-Based Control Plane Messages Management in Software-Defined Flying Ad-Hoc Network. Sensors, 2020, 20, 67.	2.1	13
33	Optimal Gateway Placement Based on Fuzzy C-Means for Low Power Wide Area Networks. , 2019, , .		12
34	QoE-aware FEC mechanism for intrusion detection in multi-tier Wireless Multimedia Sensor Networks. , 2012, , .		11
35	Context-aware opportunistic routing in mobile ad-hoc networks incorporating node mobility. , 2014, , .		11
36	Mobility Management With Transferable Reinforcement Learning Trajectory Prediction. IEEE Transactions on Network and Service Management, 2020, 17, 2102-2116.	3.2	11

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37	A multi-tier fog content orchestrator mechanism with quality of experience support. Computer Networks, 2020, 177, 107288.	3.2	11
38	A smart multi-hop hierarchical routing protocol for efficient video communication over wireless multimedia sensor networks. , 2012, , .		10
39	A Hierarchical Multi-hop Multimedia Routing Protocol for Wireless Multimedia Sensor Networks. Network Protocols and Algorithms, 2012, 4, .	1.0	9
40	An Efficient Heuristic LoRaWAN Adaptive Resource Allocation for IoT Applications. , 2020, , .		9
41	Predictive UAV Base Station Deployment and Service Offloading With Distributed Edge Learning. IEEE Transactions on Network and Service Management, 2021, 18, 3955-3972.	3.2	9
42	A collaborative routing protocol for video streaming with fog computing in vehicular ad hoc networks. International Journal of Distributed Sensor Networks, 2019, 15, 155014771983283.	1.3	8
43	Double Authentication Model based on PPG and ECG Signals. , 2020, , .		8
44	Platoon-Based Driving Protocol Based on Game Theory for Multimedia Transmission over VANET. , 2017, , .		7
45	Clustering Users for the Deployment of UAV as Base Station to Improve the Quality of the Data. , 2019, , .		7
46	Evaluation of an Adaptive Resource Allocation for LoRaWAN. Journal of Signal Processing Systems, 2022, 94, 65-79.	1.4	7
47	A Comparative Analysis of Beaconless Opportunistic Routing Protocols for Video Dissemination over Flying Ad-Hoc Networks. Lecture Notes in Computer Science, 2014, , 253-265.	1.0	7
48	CAOR: Context-aware adaptive opportunistic routing in mobile ad-hoc networks. , 2014, , .		6
49	Adaptive Beaconless Opportunistic Routing for Multimedia Distribution. Lecture Notes in Computer Science, 2015, , 122-135.	1.0	6
50	Centrality-based data dissemination protocol for vehicular ad hoc networks. , 2017, , .		6
51	Quality of experience and quality of service-aware handover for video transmission in heterogeneous networks. International Journal of Network Management, 2019, 31, e2064.	1.4	6
52	Combinatorial Optimization-based Task Allocation Mechanism for Vehicular Clouds. , 2020, , .		6
53	Experimenting Long Range Wide Area Network in an e-Health Environment: Discussion and Future Directions. , 2020, , .		6
54	Skipping-based handover algorithm for video distribution over ultra-dense VANET. Computer Networks, 2020, 176, 107252.	3.2	6

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55	Trends in Human-Centric Multimedia Networking scenarios. , 2016, , .		5
56	Data Dissemination Based on Complex Networksâ€™ Metrics for Distributed Traffic Management Systems. , 2018, , .		5
57	Adjusting Group Communication in Dense Internet of Things Networks with Heterogeneous Energy Sources. , 0, , .		5
58	Assessment of a robust opportunistic routing for video transmission in dynamic topologies. , 2013, , .		4
59	Highly accurate evaluation of GPS synchronization for TDOA localization. , 2013, , .		4
60	Enhanced connectivity for robust multimedia transmission in UAV networks. , 2014, , .		4
61	TOVEC: Task Optimization Mechanism for Vehicular Clouds using Meta-heuristic Technique. , 2021, , .		4
62	Ensemble mobility predictor based on random forest and Markovian property using LBSN data. Journal of Internet Services and Applications, 2020, 11, .	1.6	4
63	Design of a routing protocol using remaining energy and link quality indicator (REL). , 2011, , .		3
64	A Comparative Analysis of DSRC and VLC for Video Dissemination in Platoon of Vehicles. , 2018, , .		3
65	Optimized-selection Model of Relay Nodes in Platoon-based Vehicular Ad-hoc Networks. , 2018, , .		3
66	A Virtual Machine Migration Policy Based on Multiple Attribute Decision in Vehicular Cloud Scenario. , 2019, , .		3
67	A Hybrid Energy-Aware Video Bitrate Adaptation Algorithm for Mobile Networks. , 2019, , .		3
68	A Method for Identifying eHealth Applications Using Side-Channel Information. , 2019, , .		3
69	Service Migration for Connected Autonomous Vehicles. , 2020, , .		3
70	Traffic Model Based on Autoregression for PPG Signals in Wearable Networks. IEEE Networking Letters, 2020, 2, 49-53.	1.5	3
71	Proactive radio- and QoS-aware UAV as BS deployment to improve cellular operations. Computer Networks, 2021, 200, 108486.	3.2	3
72	Towards the Future of Edge Computing in the Sky: Outlook and Future Directions. , 2021, , .		3

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73	A Handover Algorithm for Video Sharing over Vehicular Networks. , 2019, , .		2
74	Filtering Parameters Selection Method and Peaks Extraction for ECG and PPG Signals. , 2019, , .		2
75	Assessing Data Traffic Classification to Priority Access for Wireless Healthcare Application. , 2019, , .		2
76	Hybrid Routing, Modulation, Spectrum and Core Allocation Based on Mapping Scheme. Sensors, 2020, 20, 6393.	2.1	2
77	Routing, Modulation, Spectrum and Core Allocation Based on Mapping Scheme. , 2020, , .		2
78	Smart Human Identification System Based on PPG and ECG Signals in Wearable Devices. , 2021, , .		2
79	A Cross-Layer QoE-Based Approach for Event-Based Multi-Tier Wireless Multimedia Sensor Networks. International Journal of Adaptive Resilient and Autonomic Systems, 2014, 5, 1-18.	0.3	2
80	TEMMUS: A Mobility Predictor based on Temporal Markov Model with User Similarity. , 0, , .		2
81	Context-aware adaptation mechanism for video dissemination over Flying Ad-Hoc Networks. , 2014, , .		1
82	A Comparative Analysis of H.264 and H.265 with Different Bitrates for on Demand Video Streaming. , 2016, , .		1
83	Autenticação Contínua e Segura Baseada em Sinais PPG e Comunicação Galvânica. , 0, , .		1
84	A Cache Strategy for Intelligent Transportation System to Connected Autonomous Vehicles. , 2020, , .		1
85	A Secure Collaborative Network Protocol. , 2016, , .		0
86	Spatiotemporal Analysis of a Location Based Social Network Dataset based on Different Levels of Granularity. , 2018, , .		0
87	A Comparative Analysis of Platoon-Based Driving Protocols for Video Dissemination over VANETs. , 2018, , .		0
88	Editorial for special issue on selected papers from 23rd edition of the Brazilian Workshop on Network and Service Management (WGRS). International Journal of Network Management, 2021, 31, e2151.	1.4	0
89	Degree Centrality-based Caching Discovery Protocol for Vehicular Named-Data Networks. , 2020, , .		0
90	Mecanismo para Cooperação e Coligação de Veículos Baseado na Teoria dos Jogos para Transmissão de Vídeos em VANETs. , 0, , .		0

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91	Cross Technology Interference Minimization in Smart Environments. , 0, , .		0
92	Mecanismo de Proteção em SDM-EON Ciente da Prioridade de Tráfego. , 0, , .		0
93	Mecanismo de Alocação de Recursos para LoRaWAN Ciente da Prioridade das Aplicações de IoT. , 0, , .		0
94	Mecanismo de Comunicação para Migração de Serviços Ciente da Localização de Nuvem e Névoas. , 0, , .		0
95	Modelo de Detecção de Fraudes Elétricas Baseado em Aprendizado de Máquina. , 0, , .		0
96	O Professor da Educação Básica e as Tecnologias Digitais no Ensino Remoto. EAD Em FOCO, 2022, 12, .	0.0	0