

# Denis Rosário

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Dynamic Microservice Allocation for Virtual Reality Distribution With QoE Support. IEEE Transactions on Network and Service Management, 2022, 19, 729-740.	3.2	14
2	Evaluation of an Adaptive Resource Allocation for LoRaWAN. Journal of Signal Processing Systems, 2022, 94, 65-79.	1.4	7
3	Smart Unmanned Aerial Vehicles as base stations placement to improve the mobile network operations. Computer Communications, 2022, 181, 45-57.	3.1	14
4	O Professor da Educação Básica e as Tecnologias Digitais no Ensino Remoto. EAD Em FOCO, 2022, 12, .	0.0	0
5	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
6	A Survey on Long-Range Wide-Area Network Technology Optimizations. IEEE Access, 2021, 9, 106079-106106.	2.6	38
7	Drone Swarms as Networked Control Systems by Integration of Networking and Computing. Sensors, 2021, 21, 2642.	2.1	34
8	TOVEC: Task Optimization Mechanism for Vehicular Clouds using Meta-heuristic Technique. , 2021, , .		4
9	Smart Human Identification System Based on PPG and ECG Signals in Wearable Devices. , 2021, , .		2
10	Proactive radio- and QoS-aware UAV as BS deployment to improve cellular operations. Computer Networks, 2021, 200, 108486.	3.2	3
11	Adaptive priority-aware LoRaWAN resource allocation for Internet of Things applications. Ad Hoc Networks, 2021, 122, 102598.	3.4	15
12	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
13	Towards the Future of Edge Computing in the Sky: Outlook and Future Directions. , 2021, , .		3
14	Cluster-Based Control Plane Messages Management in Software-Defined Flying Ad-Hoc Network. Sensors, 2020, 20, 67.	2.1	13
15	RELIABLE: Resource Allocation Mechanism for 5G Network using Mobile Edge Computing. Sensors, 2020, 20, 5449.	2.1	19
16	Combinatorial Optimization-based Task Allocation Mechanism for Vehicular Clouds. , 2020, , .		6
17	Hybrid Routing, Modulation, Spectrum and Core Allocation Based on Mapping Scheme. Sensors, 2020, 20, 6393.	2.1	2
18	Experimenting Long Range Wide Area Network in an e-Health Environment: Discussion and Future Directions. , 2020, , .		6

#	ARTICLE	IF	CITATIONS
19	Double Authentication Model based on PPG and ECG Signals. , 2020, , .		8
20	Service Migration for Connected Autonomous Vehicles. , 2020, , .		3
21	An Efficient Heuristic LoRaWAN Adaptive Resource Allocation for IoT Applications. , 2020, , .		9
22	Routing, Modulation, Spectrum and Core Allocation Based on Mapping Scheme. , 2020, , .		2
23	LoRaWAN Gateway Placement Model for Dynamic Internet of Things Scenarios. Sensors, 2020, 20, 4336.	2.1	25
24	Mobility Management With Transferable Reinforcement Learning Trajectory Prediction. IEEE Transactions on Network and Service Management, 2020, 17, 2102-2116.	3.2	11
25	A multi-tier fog content orchestrator mechanism with quality of experience support. Computer Networks, 2020, 177, 107288.	3.2	11
26	Data Improvement Model Based on ECG Biometric for User Authentication and Identification. Sensors, 2020, 20, 2920.	2.1	17
27	Traffic Model Based on Autoregression for PPG Signals in Wearable Networks. IEEE Networking Letters, 2020, 2, 49-53.	1.5	3
28	Degree Centrality-based Caching Discovery Protocol for Vehicular Named-Data Networks. , 2020, , .		0
29	Skipping-based handover algorithm for video distribution over ultra-dense VANET. Computer Networks, 2020, 176, 107252.	3.2	6
30	Ensemble mobility predictor based on random forest and Markovian property using LBSN data. Journal of Internet Services and Applications, 2020, 11, .	1.6	4
31	A Cache Strategy for Intelligent Transportation System to Connected Autonomous Vehicles. , 2020, , .		1
32	Vehicular software-defined networking and fog computing: Integration and design principles. Ad Hoc Networks, 2019, 82, 172-181.	3.4	70
33	A Virtual Machine Migration Policy Based on Multiple Attribute Decision in Vehicular Cloud Scenario. , 2019, , .		3
34	Efficient data dissemination protocol based on complex networksâ€™ metrics for urban vehicular networks. Journal of Internet Services and Applications, 2019, 10, .	1.6	25
35	Heart of IoT: ECG as biometric sign for authentication and identification. , 2019, , .		17
36	An Investigation of Different Machine Learning Approaches for Epileptic Seizure Detection. , 2019, , .		16

#	ARTICLE	IF	CITATIONS
37	A Hybrid Energy-Aware Video Bitrate Adaptation Algorithm for Mobile Networks. , 2019, , .		3
38	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
39	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
40	A Method for Identifying eHealth Applications Using Side-Channel Information. , 2019, , .		3
41	A novel fog-based resource allocation policy for vehicular clouds in the highway environment. , 2019, , .		18
42	Optimal Gateway Placement Based on Fuzzy C-Means for Low Power Wide Area Networks. , 2019, , .		12
43	A Handover Algorithm for Video Sharing over Vehicular Networks. , 2019, , .		2
44	Clustering Users for the Deployment of UAV as Base Station to Improve the Quality of the Data. , 2019, , .		7
45	Filtering Parameters Selection Method and Peaks Extraction for ECG and PPG Signals. , 2019, , .		2
46	STFANET: SDN-Based Topology Management for Flying Ad Hoc Network. IEEE Access, 2019, 7, 173499-173514.	2.6	44
47	Assessing Data Traffic Classification to Priority Access for Wireless Healthcare Application. , 2019, , .		2
48	Software-defined unmanned aerial vehicles networking for video dissemination services. Ad Hoc Networks, 2019, 83, 68-77.	3.4	46
49	Spatiotemporal Analysis of a Location Based Social Network Dataset based on Different Levels of Granularity. , 2018, , .		0
50	A Comparative Analysis of DSRC and VLC for Video Dissemination in Platoon of Vehicles. , 2018, , .		3
51	Data Dissemination Based on Complex Networksâ€™ Metrics for Distributed Traffic Management Systems. , 2018, , .		5
52	Cooperative UAV Scheme for Enhancing Video Transmission and Global Network Energy Efficiency. Sensors, 2018, 18, 4155.	2.1	17
53	Optimized-selection Model of Relay Nodes in Platoon-based Vehicular Ad-hoc Networks. , 2018, , .		3
54	ECG-Based User Authentication and Identification Method on VANETs. , 2018, , .		14

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55	Service Migration from Cloud to Multi-tier Fog Nodes for Multimedia Dissemination with QoE Support. Sensors, 2018, 18, 329.	2.1	49
56	A Comparative Analysis of Platoon-Based Driving Protocols for Video Dissemination over VANETs. , 2018, , .		0
57	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
58	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
59	A relay placement mechanism based on UAV mobility for satisfactory video transmissions. , 2017, , .		22
60	Platoon-Based Driving Protocol Based on Game Theory for Multimedia Transmission over VANET. , 2017, , .		7
61	Centrality-based data dissemination protocol for vehicular ad hoc networks. , 2017, , .		6
62	A Secure Collaborative Network Protocol. , 2016, , .		0
63	A Comparative Analysis of H.264 and H.265 with Different Bitrates for on Demand Video Streaming. , 2016, , .		1
64	Trends in Human-Centric Multimedia Networking scenarios. , 2016, , .		5
65	Toward software-defined battlefield networking. , 2016, 54, 152-157.		33
66	Adaptive Beaconless Opportunistic Routing for Multimedia Distribution. Lecture Notes in Computer Science, 2015, , 122-135.	1.0	6
67	Context-aware adaptation mechanism for video dissemination over Flying Ad-Hoc Networks. , 2014, , .		1
68	Enhanced connectivity for robust multimedia transmission in UAV networks. , 2014, , .		4
69	Context-aware opportunistic routing in mobile ad-hoc networks incorporating node mobility. , 2014, , .		11
70	Opportunistic routing for multi-flow video dissemination over Flying Ad-Hoc Networks. , 2014, , .		22
71	CAOR: Context-aware adaptive opportunistic routing in mobile ad-hoc networks. , 2014, , .		6
72	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

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73	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
74	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
75	A QoE handover architecture for converged heterogeneous wireless networks. Wireless Networks, 2013, 19, 2005-2020.	2.0	21
76	Topology and Link quality-aware Geographical opportunistic routing in wireless ad-hoc networks. , 2013, , .		18
77	A Routing Protocol Based on Energy and Link Quality for Internet of Things Applications. Sensors, 2013, 13, 1942-1964.	2.1	111
78	Assessment of a robust opportunistic routing for video transmission in dynamic topologies. , 2013, , .		4
79	Highly accurate evaluation of GPS synchronization for TDOA localization. , 2013, , .		4
80	An OMNeT++ Framework to Evaluate Video Transmission in Mobile Wireless Multimedia Sensor Networks. , 2013, , .		16
81	A smart multi-hop hierarchical routing protocol for efficient video communication over wireless multimedia sensor networks. , 2012, , .		10
82	QoE-aware FEC mechanism for intrusion detection in multi-tier Wireless Multimedia Sensor Networks. , 2012, , .		11
83	A Hierarchical Multi-hop Multimedia Routing Protocol for Wireless Multimedia Sensor Networks. Network Protocols and Algorithms, 2012, 4, .	1.0	9
84	RadiaLE: A framework for designing and assessing link quality estimators in wireless sensor networks. Ad Hoc Networks, 2011, 9, 1165-1185.	3.4	44
85	Design of a routing protocol using remaining energy and link quality indicator (REL). , 2011, , .		3
86	F-LQE: A Fuzzy Link Quality Estimator for Wireless Sensor Networks. Lecture Notes in Computer Science, 2010, , 240-255.	1.0	94
87	A testbed for the evaluation of link quality estimators in wireless sensor networks. , 2010, , .		13
88	Adjusting Group Communication in Dense Internet of Things Networks with Heterogeneous Energy Sources. , 0, , .		5
89	Mecanismo para Cooperaçãe e Coligaçãe de Veículos Baseado na Teoria dos Jogos para Transmissãe de Vãdeos em VANETs. , 0, , .		0
90	Cross Technology Interference Minimization in Smart Environments. , 0, , .		0

#	ARTICLE	IF	CITATIONS
91	TEMMUS: A Mobility Predictor based on Temporal Markov Model with User Similarity. , 0, , .		2
92	Autenticação Contínua e Segura Baseada em Sinais PPG e Comunicação Galvânica. , 0, , .		1
93	Mecanismo de Proteção em SDM-EON Ciente da Prioridade de Tráfego. , 0, , .		0
94	Mecanismo de Alocação de Recursos para LoRaWAN Ciente da Prioridade das Aplicações de IoT. , 0, , .		0
95	Mecanismo de Comunicação para Migração de Serviços Ciente da Localização de Nuvem e Nós. , 0, , .		0
96	Modelo de Detecção de Fraudes Elétricas Baseado em Aprendizado de Máquina. , 0, , .		0