

Eduardo Cerqueira

List of Publications by Year in descending order

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Version: 2024-02-01

91
papers

1,221
citations

430442

18
h-index

454577

30
g-index

92
all docs

92
docs citations

92
times ranked

1170
citing authors

#	ARTICLE	IF	CITATIONS
1	A Routing Protocol Based on Energy and Link Quality for Internet of Things Applications. <i>Sensors</i> , 2013, 13, 1942-1964.	2.1	111
2	Vehicular software-defined networking and fog computing: Integration and design principles. <i>Ad Hoc Networks</i> , 2019, 82, 172-181.	3.4	70
3	A beaconless Opportunistic Routing based on a cross-layer approach for efficient video dissemination in mobile multimedia IoT applications. <i>Computer Communications</i> , 2014, 45, 21-31.	3.1	57
4	A distributed beaconless routing protocol for real-time video dissemination in multimedia VANETs. <i>Computer Communications</i> , 2015, 58, 40-52.	3.1	50
5	Software-defined unmanned aerial vehicles networking for video dissemination services. <i>Ad Hoc Networks</i> , 2019, 83, 68-77.	3.4	46
6	STFANET: SDN-Based Topology Management for Flying Ad Hoc Network. <i>IEEE Access</i> , 2019, 7, 173499-173514.	2.6	44
7	ICARUS: Improvement of traffic Condition through an Alerting and Re-routing System. <i>Computer Networks</i> , 2016, 110, 118-132.	3.2	39
8	Vehicular Networks. <i>ACM Computing Surveys</i> , 2017, 49, 1-29.	16.1	38
9	A Survey on Long-Range Wide-Area Network Technology Optimizations. <i>IEEE Access</i> , 2021, 9, 106079-106106.	2.6	38
10	Drone Swarms as Networked Control Systems by Integration of Networking and Computing. <i>Sensors</i> , 2021, 21, 2642.	2.1	34
11	Framework for the integrated video quality assessment. <i>Multimedia Tools and Applications</i> , 2012, 61, 787-817.	2.6	33
12	Software-defined handover decision engine for heterogeneous cloud radio access networks. <i>Computer Communications</i> , 2018, 115, 21-34.	3.1	29
13	QoE-driven dissemination of real-time videos over vehicular networks. <i>Computer Communications</i> , 2016, 91-92, 133-147.	3.1	28
14	LoRaWAN Gateway Placement Model for Dynamic Internet of Things Scenarios. <i>Sensors</i> , 2020, 20, 4336.	2.1	25
15	Quality of Experience management framework for real-time multimedia applications. <i>International Journal of Internet Protocol Technology</i> , 2009, 4, 54.	0.2	23
16	Recent advances in multimedia networking. <i>Multimedia Tools and Applications</i> , 2011, 54, 635-647.	2.6	21
17	A real-time video quality estimator for emerging wireless multimedia systems. <i>Wireless Networks</i> , 2014, 20, 1759-1776.	2.0	20
18	A Two-Tier Adaptive Data Aggregation Approach for M2M Group-Communication. <i>IEEE Sensors Journal</i> , 2016, 16, 823-835.	2.4	20

#	ARTICLE	IF	CITATIONS
19	Topology and Link quality-aware Geographical opportunistic routing in wireless ad-hoc networks. , 2013, , .		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	Video quality estimator for wireless mesh networks. , 2012, , .		16
24	Shielding video streaming against packet losses over VANETs. Wireless Networks, 2016, 22, 2563-2577.	2.0	15
25	Adaptive priority-aware LoRaWAN resource allocation for Internet of Things applications. Ad Hoc Networks, 2021, 122, 102598.	3.4	15
26	Using fuzzy link cost and dynamic choice of link quality metrics to achieve QoS and QoE in wireless mesh networks. Journal of Network and Computer Applications, 2011, 34, 506-516.	5.8	14
27	ECG-Based User Authentication and Identification Method on VANETs. , 2018, , .		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	Information-Driven Software-Defined Vehicular Networks: Adapting Flexible Architecture to Various Scenarios. IEEE Vehicular Technology Magazine, 2019, 14, 98-107.	2.8	14
30	Dynamic Microservice Allocation for Virtual Reality Distribution With QoE Support. IEEE Transactions on Network and Service Management, 2022, 19, 729-740.	3.2	14
31	Smart Unmanned Aerial Vehicles as base stations placement to improve the mobile network operations. Computer Communications, 2022, 181, 45-57.	3.1	14
32	Adaptive video-aware FEC-based mechanism with unequal error protection scheme. , 2013, , .		13
33	Cluster-Based Control Plane Messages Management in Software-Defined Flying Ad-Hoc Network. Sensors, 2020, 20, 67.	2.1	13
34	Cognitive radio based connectivity management for resilient end-to-end communications in VANETs. Computer Communications, 2016, 79, 1-8.	3.1	12
35	Optimal Gateway Placement Based on Fuzzy C-Means for Low Power Wide Area Networks. , 2019, , .		12
36	Cross-Layer FEC-Based Mechanism for Packet Loss Resilient Video Transmission. Lecture Notes in Computer Science, 2013, , 320-336.	1.0	11

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37	Context-aware opportunistic routing in mobile ad-hoc networks incorporating node mobility. , 2014, ,		11
38	Efficient high-resolution video delivery over VANETs. Wireless Networks, 2019, 25, 2587-2602.	2.0	11
39	Mobility Management With Transferable Reinforcement Learning Trajectory Prediction. IEEE Transactions on Network and Service Management, 2020, 17, 2102-2116.	3.2	11
40	A multi-tier fog content orchestrator mechanism with quality of experience support. Computer Networks, 2020, 177, 107288.	3.2	11
41	Adaptive QoE-driven video transmission over Vehicular Ad-hoc Networks. , 2015, , .		9
42	Towards a QoE-driven mechanism for improved H.265 video delivery. , 2016, , .		9
43	A combined energy-bandwidth approach to allocate resilient virtual software defined networks. Journal of Network and Computer Applications, 2016, 69, 98-106.	5.8	9
44	An Efficient Heuristic LoRaWAN Adaptive Resource Allocation for IoT Applications. , 2020, , .		9
45	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
46	Mobility management for multi-user sessions in next generation wireless systems. Computer Communications, 2008, 31, 915-934.	3.1	8
47	A QoE Fuzzy Routing Protocol for Wireless Mesh Networks. Lecture Notes in Computer Science, 2010, , 1-12.	1.0	8
48	QoS Support for Multi-user Sessions in IP-based Next Generation Networks. Mobile Networks and Applications, 2008, 13, 366.	2.2	7
49	QoE-driven video delivery improvement using packet loss prediction. International Journal of Parallel, Emergent and Distributed Systems, 2015, 30, 478-493.	0.7	7
50	Indoor patient monitoring through Wi-Fi and mobile computing. , 2015, , .		7
51	Evaluation of an Adaptive Resource Allocation for LoRaWAN. Journal of Signal Processing Systems, 2022, 94, 65-79.	1.4	7
52	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
53	Scalable Multimedia Group Communications through the Over-Provisioning of Network Resources. Lecture Notes in Computer Science, 2008, , 52-63.	1.0	7
54	Towards the enhancement of UAV video transmission with motion intensity awareness. , 2014, , .		6

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55	Quality of experience and quality of service-aware handover for video transmission in heterogeneous networks. <i>International Journal of Network Management</i> , 2019, 31, e2064.	1.4	6
56	Experimenting Long Range Wide Area Network in an e-Health Environment: Discussion and Future Directions. , 2020, , .		6
57	Skipping-based handover algorithm for video distribution over ultra-dense VANET. <i>Computer Networks</i> , 2020, 176, 107252.	3.2	6
58	Trends in Human-Centric Multimedia Networking scenarios. , 2016, , .		5
59	Pervasive forwarding mechanism for mobile social networks. <i>Computer Networks</i> , 2016, 111, 6-16.	3.2	5
60	Enhanced connectivity for robust multimedia transmission in UAV networks. , 2014, , .		4
61	A new architecture for secure storage and sharing of health records in the cloud using federated identity attributes. , 2014, , .		4
62	Ensuring QoE in wireless networks with adaptive FEC and Fuzzy Logic-based mechanisms. , 2014, , .		4
63	QoS-RRC: an overprovisioning-centric and load balance-aided solution for future internet QoS-oriented routing. <i>Multimedia Tools and Applications</i> , 2012, 61, 721-746.	2.6	3
64	Two-criteria Pareto frontier for virtual network allocation on Edge-as-a-Service networks. <i>Computer Communications</i> , 2017, 102, 58-66.	3.1	3
65	A Comparative Analysis of DSRC and VLC for Video Dissemination in Platoon of Vehicles. , 2018, , .		3
66	A Method for Identifying eHealth Applications Using Side-Channel Information. , 2019, , .		3
67	Traffic Model Based on Autoregression for PPG Signals in Wearable Networks. <i>IEEE Networking Letters</i> , 2020, 2, 49-53.	1.5	3
68	Proactive radio- and QoS-aware UAV as BS deployment to improve cellular operations. <i>Computer Networks</i> , 2021, 200, 108486.	3.2	3
69	Towards the Future of Edge Computing in the Sky: Outlook and Future Directions. , 2021, , .		3
70	Swarm-Based and Energy-Aware Unmanned Aerial Vehicle System for Video Delivery of Mobile Objects. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 766-779.	3.9	3
71	Session-Oriented Communication System for truly reliable and robust Smart Grid. , 2011, , .		2
72	Guest editorial special issue on "Future multimedia networking". <i>Multimedia Tools and Applications</i> , 2011, 54, 545-549.	2.6	2

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73	A fuzzy queue-aware routing approach for wireless mesh networks. Multimedia Tools and Applications, 2012, 61, 747-768.	2.6	2
74	Long-Term Spatiotemporal Analysis of Social Media for Device-to-Device Networks. , 2016, , .		2
75	Management of virtual network resources for multimedia applications. Multimedia Systems, 2017, 23, 405-419.	3.0	2
76	A Handover Algorithm for Video Sharing over Vehicular Networks. , 2019, , .		2
77	Hybrid Routing, Modulation, Spectrum and Core Allocation Based on Mapping Scheme. Sensors, 2020, 20, 6393.	2.1	2
78	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
79	Context-aware adaptation mechanism for video dissemination over Flying Ad-Hoc Networks. , 2014, , .		1
80	NVP: A Network Virtualization Proxy for Software Defined Networking. International Journal of Computers, Communications and Control, 2016, 11, 697.	1.2	1
81	Seamless handover and QoS provisioning for mobile video applications in an integrated WiMAX/MIP/MPLS architecture. International Journal of Advanced Media and Communication, 2009, 3, 404.	0.2	0
82	Guest editorial special issue on quality of experience for multimedia applications. Multimedia Tools and Applications, 2012, 61, 697-701.	2.6	0
83	Advanced communication system for rich and green smart Grid networking. , 2013, , .		0
84	Adaptive Contact Volume prediction in Delay Tolerant Networks. , 2013, , .		0
85	A Comparative Analysis of Platoon-Based Driving Protocols for Video Dissemination over VANETs. , 2018, , .		0
86	Mecanismo de Proteção em SDM-EON Ciente da Prioridade de Tráfego. , 0, , .		0
87	Mecanismo de Alocação de Recursos para LoRaWAN Ciente da Prioridade das Aplicações de IoT. , 0, , .		0
88	Mecanismo de Comunicação para Migração de Serviços Ciente da Localização de Nuvem e Nós. , 0, , .		0
89	Modelo de Detecção de Fraudes Elétricas Baseado em Aprendizado de Máquina. , 0, , .		0
90	Distribuição de Conteúdo Sob Demanda Através da Alocação de Microserviços Dinâmicos na Borda e Núcleo da Rede. , 0, , .		0

#	ARTICLE	IF	CITATIONS
91	Service Migration in Edge Computing Environments for Connected Autonomous Vehicles. , 0, , .		0