

M Carmen Lucas-Estañá

List of Publications by Year in descending order

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28
papers

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932766

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all docs

28
docs citations

28
times ranked

444
citing authors

#	ARTICLE	IF	CITATIONS
1	Latency-Sensitive 5G RAN Slicing for Industry 4.0. IEEE Access, 2019, 7, 143139-143159.	2.6	47
2	Integrated system for control and monitoring industrial wireless networks for labor risk prevention. Journal of Network and Computer Applications, 2014, 39, 233-252.	5.8	40
3	Analysis of 5G-TSN Integration to Support Industry 4.0. , 2020, , .		33
4	Emerging Trends in Hybrid Wireless Communication and Data Management for the Industry 4.0. Electronics (Switzerland), 2018, 7, 400.	1.8	32
5	Joint radio resource management for heterogeneous wireless systems. Wireless Networks, 2012, 18, 443-455.	2.0	24
6	On the Capacity of 5G NR Grant-Free Scheduling with Shared Radio Resources to Support Ultra-Reliable and Low-Latency Communications. Sensors, 2019, 19, 3575.	2.1	21
7	Load Balancing for Reliable Self-Organizing Industrial IoT Networks. IEEE Transactions on Industrial Informatics, 2019, 15, 5052-5063.	7.2	21
8	Bankruptcy-based radio resource management for multimedia mobile networks. Transactions on Emerging Telecommunications Technologies, 2012, 23, 186-201.	2.6	17
9	Redundancy and Diversity in Wireless Networks to Support Mobile Industrial Applications in Industry 4.0. IEEE Transactions on Industrial Informatics, 2021, 17, 311-320.	7.2	16
10	On the Real-Time Hardware Implementation Feasibility of Joint Radio Resource Management Policies for Heterogeneous Wireless Networks. IEEE Transactions on Mobile Computing, 2013, 12, 193-205.	3.9	15
11	A software defined hierarchical communication and data management architecture for industry 4.0. , 2018, , .		15
12	Power and Packet Rate Control for Vehicular Networks in Multi-Application Scenarios. IEEE Transactions on Vehicular Technology, 2019, 68, 9029-9037.	3.9	10
13	Integer linear programming optimization of joint RRM policies for heterogeneous wireless systems. Computer Networks, 2012, 56, 112-126.	3.2	9
14	Mode Selection for 5G Heterogeneous and Opportunistic Networks. IEEE Access, 2019, 7, 113511-113524.	2.6	9
15	Sensing-Based Grant-Free Scheduling for Ultra Reliable Low Latency and Deterministic Beyond 5G Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 4171-4183.	3.9	9
16	Distributed radio resource allocation for device-to-device communications underlying cellular networks. Journal of Network and Computer Applications, 2017, 99, 120-130.	5.8	8
17	Empirical Performance Models for V2V Communications. , 2015, , .		7
18	Multi-Channel Radio Resource Distribution Policies in Heterogeneous Traffic Scenarios. , 2007, , .		6

#	ARTICLE	IF	CITATIONS
19	Common radio resource management policy for multimedia traffic in beyond 3G heterogeneous wireless systems. , 2008, , .		6
20	An Experimental Evaluation of Redundancy in Industrial Wireless Communications. , 2018, , .		6
21	SPHERE - A Simulation Platform for Heterogeneous Wireless Systems. , 2007, , .		5
22	Distance-Based Radio Resource Allocation for Device to Device Communications. , 2017, , .		4
23	Real-time computational performance of advanced JRRM policies in B3G heterogeneous wireless systems. , 2010, , .		3
24	Mode selection for Multi-Hop Cellular Networks with Mobile Relays. , 2013, , .		2
25	Context-Aware Mode Selection for 5G Multi-Hop Cellular Networks. Electronics (Switzerland), 2019, 8, 840.	1.8	2
26	Mode Selection for Mobile Opportunistic Multi-Hop Cellular Networks. , 2014, , .		1
27	Latency-Based 5G RAN Slicing Descriptor to Support Deterministic Industry 4.0 Applications. , 2019, , .		1
28	Virtual Distributed Simulation Platform for the Study and Optimization of Future Beyond 3G Heterogeneous Systems. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2010, , 368-379.	0.2	0