

# Anna Umbert Juliana

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

391  
citations

1478505

6  
h-index

1474206

9  
g-index

44  
all docs

44  
docs citations

44  
times ranked

304  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of Spectrum Occupancy in Spain for Cognitive Radio Applications. , 2009, , .		100
2	Spectral occupation measurements and blind standard recognition sensor for cognitive radio networks. , 2009, , .		40
3	Cross-layer scheduling strategy for UMTS downlink enhancement. , 2005, 43, S24-S28.		24
4	Application of Radio Environment Maps for Dynamic Broadband Access in TV Bands in Urban Areas. IEEE Access, 2017, 5, 19842-19863.	4.2	19
5	Design and Experimental Validation of a Software-Defined Radio Access Network Testbed with Slicing Support. Wireless Communications and Mobile Computing, 2019, 2019, 1-17.	1.2	17
6	Characterization of Radio Access Network Slicing Scenarios With 5G QoS Provisioning. IEEE Access, 2020, 8, 51414-51430.	4.2	17
7	An Analytical Model for Multi-Tenant Radio Access Networks Supporting Guaranteed Bit Rate Services. IEEE Access, 2019, 7, 57651-57662.	4.2	16
8	A Multi-Agent Reinforcement Learning Approach for Capacity Sharing in Multi-Tenant Scenarios. IEEE Transactions on Vehicular Technology, 2021, 70, 9450-9465.	6.3	15
9	Implementation of Cognitive Radio Networks to evaluate spectrum management strategies in real-time. Computer Communications, 2016, 79, 37-52.	5.1	14
10	Quality of experience evaluation under QoS-aware mobility mechanisms. , 2008, , .		10
11	A radio channel emulator for WCDMA, based on the hidden Markov model (HMM). , 0, , .		9
12	A Novel Approach for Dynamic Capacity Sharing in Multi-tenant Scenarios. , 2020, , .		9
13	A beyond 3G real-time testbed for an All-IP heterogeneous network. , 2007, , .		7
14	TVWS indoor measurements for HetNets. , 2014, , .		7
15	RAN slicing for multi-tenancy support in a WLAN scenario. , 2017, , .		7
16	On the use of Indoor Radio Environment Maps for HetNets Deployment. , 2014, , .		6
17	A Belief-Based Decision-Making Framework for Spectrum Selection in Cognitive Radio Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 8283-8296.	6.3	6
18	Real-time emulation of RRM strategies for UMTS bearer services. , 0, , .		5

#	ARTICLE	IF	CITATIONS
19	A generic radio channel emulator to evaluate higher layer protocols in a CDMA system. , 0, , .		5
20	Evaluation of Perceived QoS with Multimedia Applications in a Heterogeneous Wireless Network. , 2007, , .		5
21	An all-IP heterogeneous wireless testbed for RAT selection and e2e QoS evaluation. , 2007, , .		5
22	SINR-Based Transport Channel Selection for MBMS Applications. , 2009, , .		5
23	Real-Time Emulation of Heterogeneous Wireless Networks with End-to-Edge Quality of Service Guarantees: The AROMA Testbed. Eurasip Journal on Wireless Communications and Networking, 2010, , .	2.4	5
24	An outdoor TV band Radio Environment Map for a Manhattan like layout. , 2016, , .		5
25	Guaranteed Bit Rate Traffic Prioritisation and Isolation in Multi-tenant Radio Access Networks. , 2018, , .		5
26	REM-based real time testbed: A proof of concept on the benefits of using REM for improving radio resource management capabilities. , 2013, , .		3
27	Evaluation of a Belief-based Decision Making in a Real-time Platform for Cognitive Radio Networks. , 2014, , .		3
28	A new RAN slicing strategy for multi-tenancy support in a WLAN scenario. , 2018, , .		3
29	The real-time AROMA testbed for all-IP heterogeneous wireless access networks. , 2008, , .		3
30	On the use of POMDP for Spectrum Selection in Cognitive Radio Networks. , 2013, , .		3
31	On the impact of the user terminal velocity on HSPA performance in MBMS multicast mode. , 2009, , .		2
32	On the optimization of power assignment to support multicast applications in HAP-based systems. , 2010, , .		2
33	On the impact of the observation strategy in a POMDP-based framework for spectrum selection. , 2013, , .		2
34	An Experimental Assessment of Channel Selection in Cognitive Radio Networks. IFIP Advances in Information and Communication Technology, 2018, , 78-88.	0.7	2
35	Performance Measurements-Based Estimation of Radio Resource Requirements for Slice Admission Control. , 2019, , .		2
36	On the importance of error memory in UMTS radio channel emulation using hidden Markov models (HMM). , 0, , .		1

#	ARTICLE	IF	CITATIONS
37	Advanced and versatile real-time emulation platform for heterogeneous radio access systems. , 2008, , .		1
38	Multi-band spectrum selection framework based on partial observations. , 2013, , .		1
39	Packet data services over wireless connections study. , 0, , .		0
40	URAE: a tool to analyse packet services based applications in UMTS. , 0, , .		0
41	Real-time evaluation of radio access technology selection policies in heterogeneous wireless systems. , 2008, , .		0
42	Performance Analysis of Satellite-HSDPA Transmissions in Emergency Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2011, , 40-49.	0.3	0
43	A testbed platform to demonstrate spectrum selection in opportunistic networks. , 2013, , .		0
44	End-to-edge QoS across Heterogeneous Wireless and Wired Domains. , 2008, , .		0