# Anna Umbert Juliana

List of Publications by Year
in descending order

| | | | |
|---|---|---|---|
| 44<br>papers | 391<br>citations | 1478505<br>6<br>h-index | 1474206<br>9<br>g-index |
| 44<br>all docs | 44<br>docs citations | 44<br>times ranked | 304<br>citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------| 
| 1 | 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 |
| 2 | A Novel Approach for Dynamic Capacity Sharing in Multi-tenant Scenarios. , 2020, , . | | 9 |
| 3 | Characterization of Radio Access Network Slicing Scenarios With 5G QoS Provisioning. IEEE Access, 2020, 8, 51414-51430. | 4.2 | 17 |
| 4 | 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 |
| 5 | An Analytical Model for Multi-Tenant Radio Access Networks Supporting Guaranteed Bit Rate Services. IEEE Access, 2019, 7, 57651-57662. | 4.2 | 16 |
| 6 | Performance Measurements-Based Estimation of Radio Resource Requirements for Slice Admission Control. , 2019, , . | | 2 |
| 7 | Guaranteed Bit Rate Traffic Prioritisation and Isolation in Multi-tenant Radio Access Networks. , 2018, , . | | 5 |
| 8 | A new RAN slicing strategy for multi-tenancy support in a WLAN scenario. , 2018, , . | | 3 |
| 9 | An Experimental Assessment of Channel Selection in Cognitive Radio Networks. IFIP Advances in Information and Communication Technology, 2018, , 78-88. | 0.7 | 2 |
| 10 | RAN slicing for multi-tenancy support in a WLAN scenario. , 2017, , . | | 7 |
| 11 | Application of Radio Environment Maps for Dynamic Broadband Access in TV Bands in Urban Areas. IEEE Access, 2017, 5, 19842-19863. | 4.2 | 19 |
| 12 | 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 |
| 13 | An outdoor TV band Radio Environment Map for a Manhattan like layout. , 2016, , . | | 5 |
| 14 | Implementation of Cognitive Radio Networks to evaluate spectrum management strategies in real-time. Computer Communications, 2016, 79, 37-52. | 5.1 | 14 |
| 15 | Evaluation of a Belief-based Decision Making in a Real-time Platform for Cognitive Radio Networks. , 2014, , . | | 3 |
| 16 | TVWS indoor measurements for HetNets. , 2014, , . | | 7 |
| 17 | On the use of Indoor Radio Environment Maps for HetNets Deployment. , 2014, , . | | 6 |
| 18 | A testbed platform to demonstrate spectrum selection in opportunistic networks. , 2013, , . | | 0 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | REM-based real time testbed: A proof of concept on the benefits of using REM for improving radio resource management capabilities. , 2013, , . | | 3 |
| 20 | Multi-band spectrum selection framework based on partial observations. , 2013, , . | | 1 |
| 21 | On the impact of the observation strategy in a POMDP-based framework for spectrum selection. , 2013, , . | | 2 |
| 22 | On the use of POMDP for Spectrum Selection in Cognitive Radio Networks. , 2013, , . | | 3 |
| 23 | 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 |
| 24 | 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, 2010, . | 2.4 | 5 |
| 25 | On the optimization of power assignment to support multicast applications in HAP-based systems. , 2010, , . | | 2 |
| 26 | SINR-Based Transport Channel Selection for MBMS Applications. , 2009, , . | | 5 |
| 27 | Evaluation of Spectrum Occupancy in Spain for Cognitive Radio Applications. , 2009, , . | | 100 |
| 28 | Spectral occupation measurements and blind standard recognition sensor for cognitive radio networks. , 2009, , . | | 40 |
| 29 | On the impact of the user terminal velocity on HSPA performance in MBMS multicast mode. , 2009, , . | | 2 |
| 30 | Quality of experience evaluation under QoS-aware mobility mechanisms. , 2008, , . | | 10 |
| 31 | Advanced and versatile real-time emulation platform for heterogeneous radio access systems. , 2008, , . | | 1 |
| 32 | Real-time evaluation of radio access technology selection policies in heterogeneous wireless systems. , 2008, , . | | 0 |
| 33 | End-to-edge QoS across Heterogeneous Wireless and Wired Domains. , 2008, , . | | 0 |
| 34 | The real-time AROMA testbed for all-IP heterogeneous wireless access networks. , 2008, , . | | 3 |
| 35 | A beyond 3G real-time testbed for an All-IP heterogeneous network. , 2007, , . | | 7 |
| 36 | Evaluation of Perceived QoS with Multimedia Applications in a Heterogeneous Wireless Network. , 2007, , . | | 5 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 37 | An all-IP heterogeneous wireless testbed for RAT selection and e2e QoS evaluation. , 2007, , . | | 5 |
| 38 | Cross-layer scheduling strategy for UMTS downlink enhancement. , 2005, 43, S24-S28. | | 24 |
| 39 | Real-time emulation of RRM strategies for UMTS bearer services. , 0, , . | | 5 |
| 40 | A generic radio channel emulator to evaluate higher layer protocols in a CDMA system. , 0, , . | | 5 |
| 41 | A radio channel emulator for WCDMA, based on the hidden Markov model (HMM). , 0, , . | | 9 |
| 42 | Packet data services over wireless connections study. , 0, , . | | 0 |
| 43 | URAE: a tool to analyse packet services based applications in UMTS. , 0, , . | | 0 |
| 44 | On the importance of error memory in UMTS radio channel emulation using hidden Markov models (HMM). , 0, , . | | 1 |