Elvino S Sousa

List of Publications by Year
in descending order

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38 papers	2,145 citations	933447 10 h-index	839539 18 g-index
38 all docs	38 docs citations	38 times ranked	1419 citing authors

#	Article	IF	Citations
1	Reinforcement-Learning-Aided Safe Planning for Aerial Robots to Collect Data in Dynamic Environments. IEEE Internet of Things Journal, 2022, 9, 13901-13912.	8.7	10
2	Trajectory Design for the Aerial Base Stations to Improve Cellular Network Performance. IEEE Transactions on Vehicular Technology, 2021, 70, 945-956.	6.3	16
3	A Double Q-Learning Approach for Navigation of Aerial Vehicles with Connectivity Constraint. , 2020, , .		11
4	Reinforcement Learning-Based Trajectory Design for the Aerial Base Stations. , 2019, , .		19
5	Power Efficient Trajectory Optimization for the Cellular-Connected Aerial Vehicles. , 2019, , .		14
6	Joint Space-Frequency Block Codes and Signal Alignment for Heterogeneous Networks. IEEE Access, 2018, 6, 71099-71109.	4.2	6
7	Gram-Schmidt precoding for two-tier cellular networks with massive MIMO. , 2016, , .		2
8	The Omitted Dimension: Exploiting Multiuser Diversity in Multi-Radio Access Technology Data Cellular Communication Systems. IEEE Access, 2016, 4, 2068-2082.	4.2	1
9	On the Utilization of Multi-Mode User Equipment in Multi-Radio Access Technology Cellular Communication Systems. IEEE Access, 2015, 3, 787-792.	4.2	50
10	Dynamic spectrum access for multi-radio access technology, multi-operator autonomous small cell communication systems. , 2014, , .		1
11	Unified Radio Access Network operation for Multi-Radio Access Technology cellular systems. , 2014, , .		5
12	Effect of Inter-Cell Inter-Radio Access Technology (RAT) interference on the performance of multi-RAT cellular systems. , 2014, , .		4
13	Dynamic Spectrum Management in Multi-Radio Access Technology (RAT) Cellular Systems. IEEE Wireless Communications Letters, 2014, 3, 249-252.	5.0	64
14	Performance Gains of Spectrum Sharing in Multi-Operator LTE-Advanced Systems. , 2013, , .		7
15	Dynamic spectrum access for small cells. , 2013, , .		4
16	Cooperative spectrum sensing with per-user power constraints. , 2012, , .		1
17	Cognitive Femtocell: A Cost-Effective Approach Towards 4G Autonomous Infrastructure Networks. Wireless Personal Communications, 2012, 64, 65-78.	2.7	13
18	A Time-Domain Scheduler for Intercell Interference Management in Autonomous Infrastructure Networks. Wireless Personal Communications, 2012, 64, 139-152.	2.7	1

#	Article	IF	Citations
19	Efficient User Selection for Downlink Zero-Forcing Based Multiuser MIMO Systems. , 2011, , .		3
20	Cognitive uplink interference management in 4G cellular femtocells. , 2010, , .		14
21	Optimal Control of Constrained Cognitive Radio Networks with Dynamic Population Size. , 2010, , .		22
22	Autonomous infrastructure based multihop cellular networks. , 2009, , .		1
23	Pilot Power Protocol for Autonomous Infrastructure Based Multihop Cellular Networks. , 2009, , .		2
24	Cognitive interference management in 3G femtocells. , 2009, , .		64
25	On Stability Region and Delay Performance of Linear-Memory Randomized Scheduling for Time-Varying Networks. IEEE/ACM Transactions on Networking, 2009, 17, 1860-1873.	3.8	5
26	Interference Aggregation in Spectrum-Sensing Cognitive Wireless Networks. IEEE Journal on Selected Topics in Signal Processing, 2008, 2, 41-56.	10.8	225
27	Adaptive Cluster-Based Data Collection in Sensor Networks with Direct Sink Access. IEEE Transactions on Mobile Computing, 2008, 7, 884-897.	5.8	48
28	Dynamic Control of Tunable Sub-Optimal Algorithms for Scheduling of Time-Varying Wireless Networks. IEEE International Workshop on Quality of Service, 2008, , .	0.0	2
29	Autonomous Infrastructure Wireless Networks. , 2007, , .		9
30	</title> </titles> <publication_date> <year>0</year> </publication_date> <pages> <first_page></first_page> <last_page></last_page> </pages> <publisher_item> <item_number item_number_type='arNumber'></item_number> </publisher_item> <doi_data> <doi>10.1109/LCOM.2007.357451</doi> <resource>http://ieeexplore.ieee.org/lpdocs/epic03/wrapper.htm?arnumber= </resource> </doi_data> </journal_article> <journal_article> <titles> <title><![CDATA[</title> </titles> <publication_date> <y	4.1	153
31	Fundamental limits of spectrum-sharing in fading environments. IEEE Transactions on Wireless Communications, 2007, 6, 649-658.	9.2	886
32	On the Stability Region of Linear-Memory Scheduling for Time Varying Channels. IEEE International Workshop on Quality of Service, 2007, , .	0.0	1
33	Spectrum sensing in cognitive radio networks: the cooperation-processing tradeoff. Wireless Communications and Mobile Computing, 2007, 7, 1049-1060.	1.2	134
34	Optimization of Spectrum Sensing for Opportunistic Spectrum Access in Cognitive Radio Networks. , 2007, , .		202
35	Capacity of Fading Channels Under Spectrum-Sharing Constraints. , 2006, , .		71
36	Impact of User Collaboration on the Performance of Sensing-Based Opportunistic Spectrum Access. , 2006, , .		39

#	Article	IF	Citations
37	In-Cell Frequency Reuse for Broadband Indoor Wireless Systems Using Sectored Antennas. Wireless Personal Communications, 1999, 10, 77-102.	2.7	4
38	Performance of a coded multi-carrier DS-CDMA system in multi-path fading channels. Wireless Personal Communications, 1995, 2, 167-183.	2.7	31