David LÃ³pez-PÃ©rez

List of Publications by Year
in descending order

28 papers	2,090 citations	840776 11 h-index	940533 16 g-index
30 all docs	30 docs citations	30 times ranked	1831 citing authors

#	Article	IF	Citations
1	Enhanced intercell interference coordination challenges in heterogeneous networks. IEEE Wireless Communications, 2011, 18, 22-30.	9.0	850
2	Towards 1 Gbps/UE in Cellular Systems: Understanding Ultra-Dense Small Cell Deployments. IEEE Communications Surveys and Tutorials, 2015, 17, 2078-2101.	39.4	393
3	Performance Impact of LoS and NLoS Transmissions in Dense Cellular Networks. IEEE Transactions on Wireless Communications, 2016, 15, 2365-2380.	9.2	216
4	Understanding UAV Cellular Communications: From Existing Networks to Massive MIMO. IEEE Access, 2018, 6, 67853-67865.	4.2	106
5	Enabling AI in Future Wireless Networks: A Data Life Cycle Perspective. IEEE Communications Surveys and Tutorials, 2021, 23, 553-595.	39.4	75
6	Will the Area Spectral Efficiency Monotonically Grow as Small Cells Go Dense?. , 2015, , .		67
7	The Essential Guide to Realizing 5G-Connected UAVs with Massive MIMO. IEEE Communications Magazine, 2019, 57, 84-90.	6.1	64
8	A Survey on 5G Radio Access Network Energy Efficiency: Massive MIMO, Lean Carrier Design, Sleep Modes, and Machine Learning. IEEE Communications Surveys and Tutorials, 2022, 24, 653-697.	39.4	61
9	Performance Impact of Base Station Antenna Heights in Dense Cellular Networks. IEEE Transactions on Wireless Communications, 2017, 16, 8147-8161.	9.2	50
10	On the performance of practical ultra-dense networks: The major and minor factors. , 2017, , .		34
11	Joint Load Control and Energy Sharing for Renewable Powered Small Base Stations: A Machine Learning Approach. IEEE Transactions on Green Communications and Networking, 2021, 5, 512-525.	5.5	25
12	On the Downlink Performance of UAV Communications in Dense Cellular Networks. , 2018, , .		22
13	Performance Analysis of Dense Small Cell Networks With Practical Antenna Heights Under Rician Fading. IEEE Access, 2018, 6, 9960-9974.	4.2	20
14	5G Massive MIMO Architectures: Self-Backhauled Small Cells Versus Direct Access. IEEE Transactions on Vehicular Technology, 2019, 68, 10003-10017.	6.3	18
15	Uplink sounding reference signal coordination to combat pilot contamination in 5G massive MIMO. , 2018, , .		15
16	Performance Analysis of the Idle Mode Capability in a Dense Heterogeneous Cellular Network. IEEE Transactions on Communications, 2018, 66, 3959-3973.	7.8	11
17	Ultra-Dense Networks: Is There a Limit to Spatial Spectrum Reuse?. , 2018, , .		11
18	Performance of Ultra-Dense Networks With a Generalized Multipath Fading. IEEE Wireless Communications Letters, 2019, 8, 1419-1422.	5.0	10

#	ARTICLE	IF	CITATIONS
19	Boosted WiFi through LTE small cells: The solution for an all-wireless enterprise. , 2016, , .		8
20	Uplink Performance Analysis of UAV User Equipments in Dense Cellular Networks. , 2019, , .		8
21	A centralized method for PCI assignment with common reference signal frequency shift control. , 2016, , .		5
22	Ultra-Dense Networks: A Holistic Analysis of Multi-Piece Path Loss, Antenna Heights, Finite Users and BS Idle Modes. IEEE Transactions on Mobile Computing, 2021, 20, 1702-1713.	5.8	5
23	A New Look at UAV Channel Modeling: A Long Tail of LoS Probability. , 2019, , .		4
24	Performance of Massive MIMO Self-Backhauling for Ultra-Dense Small Cell Deployments. , 2018, , .		3
25	Cell ID Management in Multi-Vendor and Multi-RAT Heterogeneous Networks. IEEE Transactions on Network and Service Management, 2019, 16, 417-429.	4.9	3
26	Performance Analysis of the Access Link of Drone Base Station Networks with LoS/NLoS Transmissions. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 111-121.	0.3	3
27	Uplink Performance Analysis of Base Station Antenna Heights in Dense Cellular Networks. , 2018, , .		2
28	A new approach for scrambling and spreading code reuse in WCDMA networks. , 2013, , .		1