

# David LÃ³pez-PÃ©rez

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9604739/publications.pdf>

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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	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
2	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
3	Enabling AI in Future Wireless Networks: A Data Life Cycle Perspective. IEEE Communications Surveys and Tutorials, 2021, 23, 553-595.	39.4	75
4	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
5	Uplink Performance Analysis of UAV User Equipments in Dense Cellular Networks. , 2019, , .		8
6	5G Massive MIMO Architectures: Self-Backhauled Small Cells Versus Direct Access. IEEE Transactions on Vehicular Technology, 2019, 68, 10003-10017.	6.3	18
7	The Essential Guide to Realizing 5G-Connected UAVs with Massive MIMO. IEEE Communications Magazine, 2019, 57, 84-90.	6.1	64
8	Performance of Ultra-Dense Networks With a Generalized Multipath Fading. IEEE Wireless Communications Letters, 2019, 8, 1419-1422.	5.0	10
9	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
10	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
11	A New Look at UAV Channel Modeling: A Long Tail of LoS Probability. , 2019, , .		4
12	Performance Analysis of Dense Small Cell Networks With Practical Antenna Heights Under Rician Fading. IEEE Access, 2018, 6, 9960-9974.	4.2	20
13	Performance Analysis of the Idle Mode Capability in a Dense Heterogeneous Cellular Network. IEEE Transactions on Communications, 2018, 66, 3959-3973.	7.8	11
14	Uplink Performance Analysis of Base Station Antenna Heights in Dense Cellular Networks. , 2018, , .		2
15	On the Downlink Performance of UAV Communications in Dense Cellular Networks. , 2018, , .		22
16	Performance of Massive MIMO Self-Backhauling for Ultra-Dense Small Cell Deployments. , 2018, , .		3
17	Understanding UAV Cellular Communications: From Existing Networks to Massive MIMO. IEEE Access, 2018, 6, 67853-67865.	4.2	106
18	Ultra-Dense Networks: Is There a Limit to Spatial Spectrum Reuse?. , 2018, , .		11

#	ARTICLE	IF	CITATIONS
19	Uplink sounding reference signal coordination to combat pilot contamination in 5G massive MIMO. , 2018, , .		15
20	On the performance of practical ultra-dense networks: The major and minor factors. , 2017, , .		34
21	Performance Impact of Base Station Antenna Heights in Dense Cellular Networks. IEEE Transactions on Wireless Communications, 2017, 16, 8147-8161.	9.2	50
22	A centralized method for PCI assignment with common reference signal frequency shift control. , 2016, , .		5
23	Boosted WiFi through LTE small cells: The solution for an all-wireless enterprise. , 2016, , .		8
24	Performance Impact of LoS and NLoS Transmissions in Dense Cellular Networks. IEEE Transactions on Wireless Communications, 2016, 15, 2365-2380.	9.2	216
25	Will the Area Spectral Efficiency Monotonically Grow as Small Cells Go Dense?. , 2015, , .		67
26	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
27	A new approach for scrambling and spreading code reuse in WCDMA networks. , 2013, , .		1
28	Enhanced intercell interference coordination challenges in heterogeneous networks. IEEE Wireless Communications, 2011, 18, 22-30.	9.0	850