

Adrian Garcia-Rodriguez

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,616
citations

516710

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839539

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33
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33
docs citations

33
times ranked

1769
citing authors

#	ARTICLE	IF	CITATIONS
1	Survey on UAV Cellular Communications: Practical Aspects, Standardization Advancements, Regulation, and Security Challenges. IEEE Communications Surveys and Tutorials, 2019, 21, 3417-3442.	39.4	635
2	IEEE 802.11be Extremely High Throughput: The Next Generation of Wi-Fi Technology Beyond 802.11ax. IEEE Communications Magazine, 2019, 57, 113-119.	6.1	129
3	UAV-to-UAV Communications in Cellular Networks. IEEE Transactions on Wireless Communications, 2020, 19, 6130-6144.	9.2	115
4	Understanding UAV Cellular Communications: From Existing Networks to Massive MIMO. IEEE Access, 2018, 6, 67853-67865.	4.2	106
5	Low-Complexity Compressive Sensing Detection for Spatial Modulation in Large-Scale Multiple Access Channels. IEEE Transactions on Communications, 2015, 63, 2565-2579.	7.8	84
6	Hybrid Analog-Digital Precoding Revisited Under Realistic RF Modeling. IEEE Wireless Communications Letters, 2016, 5, 528-531.	5.0	72
7	The Essential Guide to Realizing 5G-Connected UAVs with Massive MIMO. IEEE Communications Magazine, 2019, 57, 84-90.	6.1	64
8	IEEE 802.11be: Wi-Fi 7 Strikes Back. IEEE Communications Magazine, 2021, 59, 102-108.	6.1	51
9	Exploiting the Increasing Correlation of Space Constrained Massive MIMO for CSI Relaxation. IEEE Transactions on Communications, 2016, 64, 1572-1587.	7.8	43
10	Power-Efficient Tomlinson-Harashima Precoding for the Downlink of Multi-User MISO Systems. IEEE Transactions on Communications, 2014, 62, 1884-1896.	7.8	37
11	Reduced Switching Connectivity for Large Scale Antenna Selection. IEEE Transactions on Communications, 2017, 65, 2250-2263.	7.8	35
12	Cell-Free Massive MIMO for UAV Communications. , 2019, , .		33
13	Operating Massive MIMO in Unlicensed Bands for Enhanced Coexistence and Spatial Reuse. IEEE Journal on Selected Areas in Communications, 2017, 35, 1282-1293.	14.0	31
14	Interfering Channel Estimation in Radar-Cellular Coexistence: How Much Information Do We Need?. IEEE Transactions on Wireless Communications, 2019, 18, 4238-4253.	9.2	29
15	Cellular UAV-to-UAV Communications. , 2019, , .		25
16	On the Downlink Performance of UAV Communications in Dense Cellular Networks. , 2018, , .		22
17	Pre-Scaling Optimization for Space Shift Keying Based on Semidefinite Relaxation. IEEE Transactions on Communications, 2015, 63, 4231-4243.	7.8	20
18	On the Performance of Spatially Correlated Large Antenna Arrays for Millimeter-Wave Frequencies. IEEE Transactions on Antennas and Propagation, 2018, 66, 132-148.	5.1	18

#	ARTICLE	IF	CITATIONS
19	5G Massive MIMO Architectures: Self-Backhauled Small Cells Versus Direct Access. IEEE Transactions on Vehicular Technology, 2019, 68, 10003-10017.	6.3	18
20	Uplink sounding reference signal coordination to combat pilot contamination in 5G massive MIMO. , 2018, , .		15
21	Downlink Performance of Uplink Fractional Power Control in 5G Massive MIMO Systems. , 2018, , .		12
22	Partial CSI Acquisition for Size-Constrained Massive MIMO Systems With User Mobility. IEEE Transactions on Vehicular Technology, 2018, 67, 9016-9020.	6.3	6
23	Power Loss Reduction for MMSE-THP With Multidimensional Symbol Scaling. IEEE Communications Letters, 2014, 18, 1147-1150.	4.1	4
24	Performance of Massive MIMO Self-Backhauling for Ultra-Dense Small Cell Deployments. , 2018, , .		3
25	On the Latency of IEEE 802.11ax WLANs with Parameterized Spatial Reuse. , 2020, , .		3
26	Spectrum Sharing Strategies for UAV-to-UAV Cellular Communications. , 2020, , .		3
27	Optimizing interference as a source of signal energy with non-linear precoding. , 2014, , .		1
28	Power-efficient space shift keying transmission via semidefinite programming. , 2016, , .		1
29	Compressive Narrowband Interference Detection for Wideband Cognitive HF Front-Ends. Wireless Personal Communications, 2017, 94, 1643-1660.	2.7	0
30	Correction to "On the Performance of Spatially Correlated Large Antenna Arrays for Millimeter-Wave Frequencies" [Jan 18 132-148]. IEEE Transactions on Antennas and Propagation, 2019, 67, 694-694.	5.1	0