

Carlos Baquero Barneto

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2469696/publications.pdf>

Version: 2024-02-01

18
papers

541
citations

1684188

5
h-index

2053705

5
g-index

18
all docs

18
docs citations

18
times ranked

247
citing authors

#	ARTICLE	IF	CITATIONS
1	Full-Duplex OFDM Radar With LTE and 5G NR Waveforms: Challenges, Solutions, and Measurements. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 4042-4054.	4.6	160
2	Full Duplex Radio/Radar Technology: The Enabler for Advanced Joint Communication and Sensing. IEEE Wireless Communications, 2021, 28, 82-88.	9.0	89
3	Optimized Waveforms for 5G to 6G Communication With Sensing: Theory, Simulations and Experiments. IEEE Transactions on Wireless Communications, 2021, 20, 8301-8315.	9.2	65
4	Joint Multi-User Communication and MIMO Radar Through Full-Duplex Hybrid Beamforming. , 2021, , .		34
5	Multibeam Design for Joint Communication and Sensing in 5G New Radio Networks. , 2020, , .		28
6	Joint OFDM Waveform Design for Communications and Sensing Convergence. , 2020, , .		22
7	Millimeter-Wave Mobile Sensing and Environment Mapping: Models, Algorithms and Validation. IEEE Transactions on Vehicular Technology, 2022, 71, 3900-3916.	6.3	22
8	Radio-based Sensing and Indoor Mapping with Millimeter-Wave 5G NR Signals. , 2020, , .		21
9	High-Accuracy Radio Sensing in 5G New Radio Networks: Prospects and Self-Interference Challenge. , 2019, , .		19
10	Millimeter-Wave Radar Scheme With Passive Reflector for Uncontrolled Blind Urban Intersection. IEEE Transactions on Vehicular Technology, 2021, 70, 7335-7346.	6.3	14
11	Beamforming and Waveform Optimization for OFDM-based Joint Communications and Sensing at mm-Waves. , 2020, , .		14
12	OFDM Radar with LTE Waveform: Processing and Performance. , 2019, , .		11
13	Experimenting Joint Vehicular Communications and Sensing with Optimized 5G NR Waveform. , 2021, , .		11
14	Design of Phased Array Architectures for Full-Duplex Joint Communications and Sensing. , 2021, , .		10
15	Millimeter-Wave Automotive Radar Scheme With Passive Reflector for Blind Corner Conditions. , 2020, , .		8
16	Range to Angle Processing for Target Detection in Joint MIMO-OFDM Communications and Sensing. , 2021, , .		8
17	Closed-Loop DPD for Digital MIMO Transmitters Under Antenna Crosstalk. , 2019, , .		3
18	Indoor Mapping with a Mobile Radar Using an EK-PHD Filter. , 2021, , .		2