

Carlos Baquero Barneto

List of Publications by Year in descending order

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