

Andreas Knopp

List of Publications by Year in descending order

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papers

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197
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | MIMO Applications for Multibeam Satellites. IEEE Transactions on Broadcasting, 2019, 65, 664-681. | 3.2 | 67 |
| 2 | Fair User Grouping for Multibeam Satellites with MU-MIMO Precoding. , 2017, , . | | 32 |
| 3 | Spatial MIMO over satellite: A proof of concept. , 2016, , . | | 26 |
| 4 | Ultranarrowband Waveform for IoT Direct Random Multiple Access to GEO Satellites. IEEE Internet of Things Journal, 2019, 6, 10134-10149. | 8.7 | 21 |
| 5 | Multiuser MIMO Concept for Physical Layer Security in Multibeam Satellite Systems. IEEE Transactions on Information Forensics and Security, 2021, 16, 1670-1680. | 6.9 | 21 |
| 6 | Multi-Satellite Multi-User MIMO Precoding: Testbed and Field Trial. , 2020, , . | | 16 |
| 7 | Smart Diversity Through MIMO Satellite Q/V -Band Feeder Links. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 285-300. | 4.7 | 13 |
| 8 | Leveraging IoT Wearable Technology Towards Early Diagnosis of Neurological Diseases. IEEE Journal on Selected Areas in Communications, 2021, 39, 582-592. | 14.0 | 13 |
| 9 | Geographical NOMA-Beamforming in Multi-Beam Satellite-Based Internet of Things. , 2019, , . | | 9 |
| 10 | Secure MIMO SATCOM Transmission. , 2013, , . | | 8 |
| 11 | Field Trial of a 5G Non-Terrestrial Network Using OpenAirInterface. IEEE Open Journal of Vehicular Technology, 2022, 3, 243-250. | 4.9 | 8 |
| 12 | Multisatellite UHF MIMO Channel Measurements. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2481-2484. | 4.0 | 7 |
| 13 | Emergency 5G Communication on a Move: Concept and field trial of a mobile satellite backhaul for public protection and disaster relief. International Journal of Satellite Communications and Networking, 2021, 39, 417-430. | 1.8 | 7 |
| 14 | Measurements of phase fluctuations for reliable MIMO space communications. , 2015, , . | | 5 |
| 15 | Statistics of Terrestrial Fixed Service Interference in the Aeronautical SATCOM Channel. , 2019, , . | | 5 |
| 16 | Digital Predistortion in High Throughput Satellites: Architectures and Performance. IEEE Access, 2021, 9, 42291-42304. | 4.2 | 5 |
| 17 | Distributed Resource Optimization for NOMA Transmission in Beamforming SATCOM. IEEE Journal on Selected Areas in Communications, 2022, 40, 1190-1209. | 14.0 | 5 |
| 18 | Multi-User MIMO Satellite Communications with Secrecy Constraints. , 2019, , . | | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | MIMO Processing for Satellites in the 5G Era. , 2019, , . | | 4 |
| 20 | Impact of Phase Noise and Oscillator Stability on Ultra-Narrow-Band-IoT Waveforms for Satellite. , 2021, , . | | 4 |
| 21 | Modeling of Fixed Service Interference in Aeronautical SATCOM Channels. IEEE Transactions on Aerospace and Electronic Systems, 2022, 58, 942-961. | 4.7 | 4 |
| 22 | Filter Distortions in Ultra High-Throughput Satellites: Models, Parameters and Multicarrier Optimization. IEEE Transactions on Signal Processing, 2022, 70, 292-306. | 5.3 | 4 |
| 23 | Linear Distortions in the Communication Satellite Payload: An Analytical Characterization. , 2020, , . | | 4 |
| 24 | Performance Optimization for Multi-Gateway NOMA-Beamforming in Multi-Beam SATCOM. , 2021, , . | | 3 |
| 25 | MIMO Throughput Performance Analysis in LEO Communication Scenario. , 2021, , . | | 3 |
| 26 | Evaluation of a Multi-Mode-Transceiver for Enhanced UAV Visibility and Connectivity in Mixed ATM/UTM Contexts. Drones, 2022, 6, 80. | 4.9 | 3 |
| 27 | Impact of the Atmosphere on the Signal Phase and the Channel Capacity in EHF MIMO Satellite Links. , 2015, , . | | 2 |
| 28 | Outage Analysis of a MIMO-Based Smart Gateway Architecture. , 2018, , . | | 2 |
| 29 | Spectral Correlation for Signal Presence Detection and Frequency Acquisition of Small Satellites. Aerospace, 2021, 8, 57. | 2.2 | 2 |
| 30 | Distortions Characterization for Dynamic Carrier Allocation in Ultra High-Throughput Satellites. , 2021, , . | | 2 |
| 31 | Physical Layer Security with Unknown Eavesdroppers in Beyond-5G MU-MIMO SATCOM. , 2020, , . | | 1 |
| 32 | A Laser Link From Lunar Surface Employing Line-of-Sight MIMO. Frontiers in Space Technologies, 2021, 2, . | 1.4 | 1 |
| 33 | Bandlimited Digital Predistortion for High Throughput Satellites. , 2021, , . | | 0 |
| 34 | Unlocking higher data volumes from space to Earth: A boost to scientific experiments on board space stations. Acta Astronautica, 2022, , . | 3.2 | 0 |