

Jiho Song

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Design of Channel Estimation for Hybrid Beamforming Millimeter-Wave Systems in the Presence of Beam Squint. IEEE Systems Journal, 2022, 16, 2834-2843. | 4.6 | 8 |
| 2 | Adaptive Beam Design for V2I Communications Using Vehicle Tracking With Extended Kalman Filter. IEEE Transactions on Vehicular Technology, 2022, 71, 489-502. | 6.3 | 10 |
| 3 | Joint Vehicle Tracking and RSU Selection for V2I Communications With Extended Kalman Filter. IEEE Transactions on Vehicular Technology, 2022, 71, 5609-5614. | 6.3 | 4 |
| 4 | Millimeter Wave Reflection Pattern Codebook Design for RIS-Assisted V2V Communications. IEEE Transactions on Vehicular Technology, 2022, 71, 6819-6824. | 6.3 | 5 |
| 5 | High-Resolution and Low-Complexity Direction of Arrival Estimation for Hybrid Array of Subarrays. IEEE Access, 2022, 10, 54922-54935. | 4.2 | 1 |
| 6 | Robust Beam Management in Position and Velocity Aware V2V Communications Using Distributed Antenna Subarrays. IEEE Transactions on Vehicular Technology, 2022, 71, 11703-11716. | 6.3 | 4 |
| 7 | Joint Power Allocation and Beam-forming Design for Dual-connectivity Wireless Networks. , 2020, , . | | 1 |
| 8 | Fast Beam Search and Refinement for Millimeter-Wave Massive MIMO Based on Two-Level Phased Arrays. IEEE Transactions on Wireless Communications, 2020, 19, 6737-6751. | 9.2 | 18 |
| 9 | Beamformer Design for Physical Layer Security in Dual-Polarized Millimeter Wave Channels. IEEE Transactions on Vehicular Technology, 2020, 69, 12306-12311. | 6.3 | 5 |
| 10 | Beam Design for Millimeter-Wave Backhaul with Dual-Polarized Uniform Planar Arrays. , 2020, , . | | 0 |
| 11 | Increasing Throughput in Wireless Communications by Grouping Similar Quality Bits. IEEE Communications Letters, 2020, 24, 2450-2453. | 4.1 | 1 |
| 12 | Full-Duplex Relay for Millimeter Wave Vehicular Platoon Communications. Sensors, 2020, 20, 6072. | 3.8 | 5 |
| 13 | Adaptive Multiuser Transmission Using Millimeter Wave Beam Alignment With User Selection. IEEE Transactions on Vehicular Technology, 2020, 69, 9140-9145. | 6.3 | 1 |
| 14 | Beam Designs for Millimeter-Wave Backhaul With Dual-Polarized Uniform Planar Arrays. IEEE Transactions on Communications, 2020, 68, 4202-4217. | 7.8 | 4 |
| 15 | Exploiting Array Pattern Synthesis for Physical Layer Security in Millimeter Wave Channels. Electronics (Switzerland), 2019, 8, 745. | 3.1 | 4 |
| 16 | Limited Feedback Designs for Machine-Type Communications Exploiting User Cooperation. IEEE Access, 2019, 7, 95154-95169. | 4.2 | 4 |
| 17 | Array pattern synthesis using semidefinite programming and a bisection method. ETRI Journal, 2019, 41, 619-625. | 2.0 | 0 |
| 18 | Beamforming via Array Pattern Synthesis for Millimeter Wave NOMA Downlink Transmission. IEEE Transactions on Vehicular Technology, 2018, 67, 12363-12367. | 6.3 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Advanced Quantizer Designs for FDD-Based FD-MIMO Systems Using Uniform Planar Arrays. IEEE Transactions on Signal Processing, 2018, 66, 3891-3905. | 5.3 | 19 |
| 20 | Common Codebook Millimeter Wave Beam Design: Designing Beams for Both Sounding and Communication With Uniform Planar Arrays. IEEE Transactions on Communications, 2017, 65, 1859-1872. | 7.8 | 106 |
| 21 | Advanced Quantizer Designs for FD-MIMO Systems Using Uniform Planar Arrays. , 2016, , . | | 3 |
| 22 | Codebook design for hybrid beamforming in millimeter wave systems. , 2015, , . | | 43 |
| 23 | Adaptive Millimeter Wave Beam Alignment for Dual-Polarized MIMO Systems. IEEE Transactions on Wireless Communications, 2015, 14, 6283-6296. | 9.2 | 44 |
| 24 | Millimeter wave beamforming for multiuser dual-polarized MIMO systems. , 2013, , . | | 7 |
| 25 | Millimeter wave beam-alignment for dual-polarized outdoor MIMO systems. , 2013, , . | | 6 |
| 26 | Low-complexity multiuser MIMO downlink system based on a small-sized CQI quantizer. Eurasip Journal on Wireless Communications and Networking, 2012, 2012, . | 2.4 | 4 |
| 27 | Millimeter Wave Communications for 5G Networks. , 0, , 188-213. | | 1 |