Jiho Song

List of Publications by Year
in descending order

27 papers	311 citations	1478505 6 h-index	940533 16 g-index
27 all docs	27 docs citations	27 times ranked	341 citing authors

#	Article	IF	Citations
1	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
2	Adaptive Millimeter Wave Beam Alignment for Dual-Polarized MIMO Systems. IEEE Transactions on Wireless Communications, 2015, 14, 6283-6296.	9.2	44
3	Codebook design for hybrid beamforming in millimeter wave systems. , 2015, , .		43
4	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
5	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
6	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
7	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
8	Millimeter wave beamforming for multiuser dual-polarized MIMO systems. , 2013, , .		7
9	Millimeter wave beam-alignment for dual-polarized outdoor MIMO systems. , 2013, , .		6
10	Beamformer Design for Physical Layer Security in Dual-Polarized Millimeter Wave Channels. IEEE Transactions on Vehicular Technology, 2020, 69, 12306-12311.	6.3	5
11	Full-Duplex Relay for Millimeter Wave Vehicular Platoon Communications. Sensors, 2020, 20, 6072.	3.8	5
12	Millimeter Wave Reflection Pattern Codebook Design for RIS-Assisted V2V Communications. IEEE Transactions on Vehicular Technology, 2022, 71, 6819-6824.	6.3	5
13	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
14	Exploiting Array Pattern Synthesis for Physical Layer Security in Millimeter Wave Channels. Electronics (Switzerland), 2019, 8, 745.	3.1	4
15	Limited Feedback Designs for Machine-Type Communications Exploiting User Cooperation. IEEE Access, 2019, 7, 95154-95169.	4.2	4
16	Beam Designs for Millimeter-Wave Backhaul With Dual-Polarized Uniform Planar Arrays. IEEE Transactions on Communications, 2020, 68, 4202-4217.	7.8	4
17	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
18	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

#	Article	IF	Citations
19	Advanced Quantizer Designs for FD-MIMO Systems Using Uniform Planar Arrays. , 2016, , .		3
20	Beamforming via Array Pattern Synthesis for Millimeter Wave NOMA Downlink Transmission. IEEE Transactions on Vehicular Technology, 2018, 67, 12363-12367.	6.3	3
21	Millimeter Wave Communications for 5G Networks. , 0, , 188-213.		1
22	Joint Power Allocation and Beam-forming Design for Dual-connectivity Wireless Networks. , 2020, , .		1
23	Increasing Throughput in Wireless Communications by Grouping Similar Quality Bits. IEEE Communications Letters, 2020, 24, 2450-2453.	4.1	1
24	Adaptive Multiuser Transmission Using Millimeter Wave Beam Alignment With User Selection. IEEE Transactions on Vehicular Technology, 2020, 69, 9140-9145.	6.3	1
25	High-Resolution and Low-Complexity Direction of Arrival Estimation for Hybrid Array of Subarrays. IEEE Access, 2022, 10, 54922-54935.	4.2	1
26	Array pattern synthesis using semidefinite programming and a bisection method. ETRI Journal, 2019, 41, 619-625.	2.0	0
27	Beam Design for Millimeter-Wave Backhaul with Dual-Polarized Uniform Planar Arrays. , 2020, , .		0