

Feasibility of Mobile Cellular Communications at Millim

IEEE Journal on Selected Topics in Signal Processing
10, 589-599

DOI: [10.1109/jstsp.2016.2520901](https://doi.org/10.1109/jstsp.2016.2520901)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Ultrawideband VNA based channel sounding system for centimetre and millimetre wave bands. , 2016, , .		11
2	Design of a high gain 16 element array of microstrip patch antennas for millimeter wave applications. , 2016, , .		5
3	Experiment of 28 GHz Band 5G super wideband transmission using beamforming and beam tracking in high mobility environment. , 2016, , .		22
4	Hybrid Directional Discontinuous Reception (HD-DRX) for 5G Communication. IEEE Communications Letters, 2017, 21, 1421-1424.	4.1	40
5	Compact Tapered Slot Antenna Array for 5G Millimeter-Wave Massive MIMO Systems. IEEE Transactions on Antennas and Propagation, 2017, 65, 6721-6727.	5.1	187
6	Field Experimental Trials for 5G Mobile Communication System Using 70 GHz-Band. , 2017, , .		11
7	Context-aware, user-driven, network-controlled RAT selection for 5G networks. Computer Networks, 2017, 113, 124-147.	5.1	27
8	5G Cellular User Equipment: From Theory to Practical Hardware Design. IEEE Access, 2017, 5, 13992-14010.	4.2	173
9	mm-Wave on wheels: Practical 60 GHz vehicular communication without beam training. , 2017, , .		27
10	Beam coordinated multi-points transmission for 5G millimeter-wave network. , 2017, , .		1
11	Space-Time Alignment for Channel Estimation in Millimeter Wave Communication with Beam Sweeping. , 2017, , .		3
12	Radiated power sensor at 38 GHz. , 2017, , .		0
13	Energy-efficient hybrid precoding for broadband millimeter wave communication systems. , 2017, , .		6
14	Design of a millimeter wave microstrip array antenna for 5G. , 2017, , .		1
15	5G Experimental Trial of 28 GHz Band Super Wideband Transmission Using Beam Tracking in Super High Mobility Environment. , 2017, , .		15
16	Experimental Trial of 5G Super Wideband Wireless Systems Using Massive MIMO Beamforming and Beam Tracking Control in 28GHz Band. IEICE Transactions on Communications, 2017, E100.B, 1256-1268.	0.7	13
17	Dual Band Micro Strip Patch Antenna for UWB Application. Communications in Computer and Information Science, 2018, , 434-441.	0.5	2
18	Single-Carrier Modulation Versus OFDM for Millimeter-Wave Wireless MIMO. IEEE Transactions on Communications, 2018, 66, 1335-1348.	7.8	49

#	ARTICLE	IF	CITATIONS
19	Analytical modeling of DRX with flexible TTI for 5G communications. Transactions on Emerging Telecommunications Technologies, 2018, 29, e3275.	3.9	10
20	Digital Beamforming-Based Massive MIMO Transceiver for 5G Millimeter-Wave Communications. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 3403-3418.	4.6	295
21	Minimum Interference Beam Selection for Millimeter Wave BeamSpace MIMO System. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 141-152.	0.3	0
22	Stacked Microstrip Linear Array for Millimeter-Wave 5G Baseband Communication. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 780-783.	4.0	79
23	Optimal Nonuniform Steady mmWave Beamforming for High-Speed Railway. IEEE Transactions on Vehicular Technology, 2018, 67, 4350-4358.	6.3	37
24	User level performance analysis of multi-hop in-band backhaul for 5G. Wireless Networks, 2018, 24, 2927-2941.	3.0	1
25	Hybridly Connected Structure for Hybrid Beamforming in mmWave Massive MIMO Systems. IEEE Transactions on Communications, 2018, 66, 662-674.	7.8	118
26	Comparative Study of Power Saving and Delay in LTE DRX, Directional-DRX and Hybrid-Directional DRX. Wireless Personal Communications, 2018, 98, 3299-3317.	2.7	10
27	On regulations for 5G: Micro licensing for locally operated networks. Telecommunications Policy, 2018, 42, 622-635.	5.3	83
28	Wideband Transceiver Front-end Integrated with Vivaldi Array Antenna for 5G Millimeter-wave Communication Systems. , 2018, , .		1
29	A WBAN Reader Antenna to Improve the Wireless Link with an In-Body WBAN Antenna. , 2018, , .		1
30	A microstrip UWB antenna for next generation communication system. International Journal of Wireless and Mobile Computing, 2018, 15, 270.	0.2	0
31	Communication-Driven Localization and Mapping for Millimeter Wave Networks. , 2018, , .		32
32	Review of Recent Phased Arrays for Millimeter-Wave Wireless Communication. Sensors, 2018, 18, 3194.	3.8	106
33	Wideband Substrate-Integrated Waveguide-Fed Endfire Metasurface Antenna Array. IEEE Transactions on Antennas and Propagation, 2018, 66, 7032-7040.	5.1	70
34	Data-Aided Fast Beamforming Selection for 5G. , 2018, , .		10
35	Wideband 5G beamforming printed array clutched by LTEâ€œ4â€œÃ–â€œ4â€œmultipleâ€œinputâ€œmultipleâ€œoutput antennas with high isolation. IET Microwaves, Antennas and Propagation, 2018, 12, 1407-1413.	1.4	31
36	A stacked array antenna able to make a very large gain and tilt the endâ€œfire beam at the ISMâ€œband. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21821.	1.2	4

#	ARTICLE	IF	CITATIONS
37	Cost-Optimal Deployment of a C-RAN With Hybrid Fiber/FSO Fronthaul. Journal of Optical Communications and Networking, 2019, 11, 397.	4.8	30
38	Clustering Based Hybrid Precoding Design for Multi-User Massive MIMO Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 12164-12178.	6.3	19
39	Local Oscillator Phase Shifting and Harmonic Mixing-Based High-Precision Phased Array for 5G Millimeter-Wave Communications. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 3162-3173.	4.6	36
40	Single- and Multiple-Access Point Indoor Localization for Millimeter-Wave Networks. IEEE Transactions on Wireless Communications, 2019, 18, 1927-1942.	9.2	40
41	Design of substrate integrated waveguide to improve antenna performances for 5G mobile communication application. Journal of Physics: Conference Series, 2019, 1402, 044032.	0.4	4
42	A Scalable Implementation for Real-Time Phased Antenna Array mmWave Testbeds. , 2019, , .		1
43	1D Array Antennas In Tandem for a Large Gain and Moving the Direction of the End-Fire Beam. , 2019, , .		0
44	Directional Discontinuous Reception (DDRX) for mmWave Enabled 5G Communications. IEEE Transactions on Mobile Computing, 2019, 18, 2330-2343.	5.8	33
45	Millimetre wave frequency band as a candidate spectrum for 5G network architecture: A survey. Physical Communication, 2019, 32, 120-144.	2.1	81
46	Joint User Access Mode Selection and Content Popularity Prediction in Non-Orthogonal Multiple Access-Based F-RANs. IEEE Transactions on Communications, 2020, 68, 654-666.	7.8	14
47	Phase Noise Effect on Millimeter-Wave Pre-5G Systems. IEEE Access, 2020, 8, 187902-187913.	4.2	13
48	Design of Front-End Modules for MMwave 5G Communication. , 2020, , .		2
49	Design of Multiband MIMO Antenna for 5G Millimeterwave Application. IOP Conference Series: Materials Science and Engineering, 2020, 852, 012154.	0.6	10
50	Low-latency Low-complexity Subspace Methods for mmWave MIMO-OFDM Channel Estimation. , 2020, , .		2
51	Selecting A Channel from 5G Sub-6-GHz Bands by A Small Antenna of Metamaterial Channel Filters. , 2020, , .		0
52	Estimation of Wideband Dynamic mmWave and THz Channels for 5G Systems and Beyond. IEEE Journal on Selected Areas in Communications, 2020, 38, 2026-2040.	14.0	29
53	A N260 Band 64 Channel Millimeter Wave Full-Digital Multi-Beam Array for 5G Massive MIMO Applications. IEEE Access, 2020, 8, 47640-47653.	4.2	24
54	RF Channel-Selectivity Sensing by a Small Antenna of Metamaterial Channel Filters for 5G Sub-6-GHz Bands. Sensors, 2020, 20, 1989.	3.8	5

#	ARTICLE	IF	CITATIONS
56	Adaptive Beamforming and Power Allocation for mmWave Communication in High-Speed Railway. Radio Science, 2021, 56, e2020RS007073.	1.6	5
57	Analytical modeling for signaling-based DRX in 5G communication. Transactions on Emerging Telecommunications Technologies, 2021, 32, .	3.9	11
58	Compact Millimeter-Wave Low-Cost Ka-Band Antenna for Portable 5G Communication Gadgets. Lecture Notes in Networks and Systems, 2021, , 53-65.	0.7	1
59	A Survey of Machine Learning Applications to Handover Management in 5G and Beyond. IEEE Access, 2021, 9, 45770-45802.	4.2	44
60	Exploitation of Triangular Lattice Arrays for Improved Spectral Efficiency in Massive MIMO 5G Systems. IEEE Access, 2021, 9, 17530-17543.	4.2	24
61	A wideband microstrip triangle patch antenna with double dumbbell shaped Defective Ground Structure for 5G application. IOP Conference Series: Materials Science and Engineering, 2021, 1098, 042093.	0.6	2
62	A Planar Millimeter-Wave Resonator-Array to Sense the Permittivity of COP Film with the 5G Handset Back-Cover. Sensors, 2021, 21, 4316.	3.8	2
63	MIMO Communication Measurements in Small Cell Scenarios at 28 GHz. IEEE Transactions on Antennas and Propagation, 2021, 69, 4070-4082.	5.1	3
64	Wireless Communication Technologies in Omnidirectional CubeSat Crosslink: Feasibility Study and Performance Analysis. IEEE Journal on Miniaturization for Air and Space Systems, 2021, 2, 157-166.	2.7	6
65	Field Experimental Evaluation on 5G Millimeter Wave Radio Access for Mobile Communications. IEICE Transactions on Communications, 2017, E100.B, 1269-1276.	0.7	2
66	Investigation on Beam Alignment of a Microstrip-Line Butler Matrix and an SIW Butler Matrix for 5G Beamforming Antennas through RF-to-RF Wireless Sensing and 64-QAM Tests. Sensors, 2021, 21, 6830.	3.8	3
67	Design of Wideband SIW Beamforming Circularly Polarized Antennas for 5G-band. , 2019, , .		3
68	Small and High-Gain Array Antenna for WPT Over Several Meters. , 2019, , .		0
69	Design of Multiple U-Slot to Improve MIMO Antenna Performance for 5G Application. , 2019, , .		0
70	Beam Pattern Optimization Method for Subarray-Based Hybrid Beamforming Systems. Wireless Communications and Mobile Computing, 2020, 2020, 1-7.	1.2	3
71	IMPACT OF USERS' FINGER ON THE AMOUNT AND DIRECTION OF RADIATED POWER FROM A 28 GHZ 4-ELEMENT MIMO ANTENNA MOBILE TERMINAL. Progress in Electromagnetics Research C, 2020, 104, 85-97.	0.9	1
72	Low-Band Information and Historical Data Aided Non-Uniform Millimeter Wave Beam Selection Algorithm in 5G-R High-Speed Railway Communication Scene. IEEE Transactions on Vehicular Technology, 2022, 71, 2809-2823.	6.3	3
73	Recent Advances in Antenna Design for 5G Heterogeneous Networks. Electronics (Switzerland), 2022, 11, 146.	3.1	1

#	ARTICLE	IF	CITATIONS
74	Accurate beam tracking scheme for V2N transmission using vehicle logs. IEICE Communications Express, 2022, 11, 189-194.	0.4	0
75	Analog Beamforming Transceiver for Millimeter-Wave Communication. , 2022, , .		3
76	Design, Simulation and Performance Analysis of Phased Array 16 Å– 16 TR Module. , 2021, , .		0
77	ZEUS: Handover algorithm for 5G to achieve zero handover failure. ETRI Journal, 2022, 44, 361-378.	2.0	6
78	DRX in NR Unlicensed for B5G Wireless: Modeling and Analysis. IEEE Transactions on Mobile Computing, 2022, , 1-1.	5.8	4
79	Programmable Metasurface Hybrid MIMO Beamforming: Channel Estimation, Data Transmission, and System Implementations at 28 GHz. IEEE Systems Journal, 2023, 17, 1270-1281.	4.6	0
80	Circularly Polarized Wideband Planar Antenna Array Using Any-Layer PCB Technology for mm-Wave Applications. , 2022, , .		1
81	Multiband Antenna Design for Modern Wireless Communication System. , 2022, , .		0
82	Mobility Management of Unmanned Aerial Vehicles in Ultra-“Dense Heterogeneous Networks. Sensors, 2022, 22, 6013.	3.8	18
83	Hybrid Beamforming for Secured mmWave MIMO Communication. Blockchain Technologies, 2022, , 187-207.	0.8	0
84	A 5G Beamforming Antenna With IoT Sensors. , 2022, , .		1
85	Design of Dual-Polarized Shared-Aperture Waveguide Slot Antenna Array. , 2022, , .		0
86	Adaptive Transmission Suspension of V2N Uplink Communication Based on In-Advanced Quality of Service Notification. Vehicles, 2023, 5, 203-222.	3.1	2
87	AI-Based Approaches for Handover Optimization in 5G New Radio and 6G Wireless Networks. , 2023, , .		1
88	5G Millimeter-Wave Dual-Band Beamforming Antenna and Wireless Link Tests. , 2023, , .		0
89	Analytical Performance of Additional Active States on Power Saving and Average Delay During Hybrid-Directional DRX Technique. , 2023, , .		0
90	RFSoc-FPGA Realization of a Code-Multiplexed Digital Receiver (CMDR) Using 1-ADC/Quad-Channel. IEEE Journal of Microwaves, 2023, , 1-16.	6.5	0
91	Interconnect for Dense Electronically Scanned Antenna Array Using High-Speed Vertical Connector. Sensors, 2023, 23, 8596.	3.8	0