The Role of Millimeter-Wave Technologies in 5G/6G Wi

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Orthogonal Versus Zero-Forced Beamforming in Multibeam Antenna Systems: Review and Challenges for Future Wireless Networks. IEEE Journal of Microwaves, 2021, 1, 879-901.	4.9	19
2	On the Optimal Modes for Glucose Droplet Sensing Based on Multi-Modes. IEEE Sensors Journal, 2021, 21, 24048-24055.	2.4	4
3	6G Enabled Smart Infrastructure for Sustainable Society: Opportunities, Challenges, and Research Roadmap. Sensors, 2021, 21, 1709.	2.1	120
4	A 60 GHz Millimeter-wave Antenna Based on Highly Conductive Graphene-assembled Films. , 2021, , .		0
5	Impedance Matching Enhancement of A Microstrip Antenna Array Designed for Ka-band 5G Applications. , 2021, , .		8
6	5G based Blockchain network for authentic and ethical keyword search engine. IET Communications, 2022, 16, 442-448.	1.5	28
7	Feasibility study of 28ÂGHz and 38ÂGHz millimeter-wave technologies for fog radio access networks using multi-slope path loss model. Physical Communication, 2021, 47, 101401.	1.2	11
8	Quadratic detection-based millimeter-wave MMIC for TDoA and AoA measurement. , 2021, , .		1
9	A review on 6G for space-air-ground integrated network: Key enablers, open challenges, and future direction. Journal of King Saud University - Computer and Information Sciences, 2022, 34, 6949-6976.	2.7	24
10	A 2.4ÂGHz Bidirectional Power Amplifier Extending Nodes Distance of Transmission to 14.8Âkm for Amorphous Flat Air-to-ground Wireless Ad hoc Network. Arabian Journal for Science and Engineering, 2022, 47, 3239-3254.	1.7	6
11	Study of an Attenuator Supporting Meander-Line Slow Wave Structure for Ka-Band TWT. Electronics (Switzerland), 2021, 10, 2372.	1.8	5
12	Millimeter-Wave Integrated Phased Arrays. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 3977-3990.	3.5	42
13	Hybrid precoding design based on alternating optimization in mmWave massive MIMO systems aided by intelligent reflecting surface. Computer Communications, 2021, 180, 188-196.	3.1	2
14	Penta Band High Gain 8-Element Antenna Array for Multiband Applications at Higher Microwave Frequency. , 2021, , .		0
15	High Frequency and High Speed Connector Design for 5G Applications. , 2021, , .		1
16	The Evaluation of an RoF System Using FSO and a Seamless Antenna Link for the 5G RAN. , 2021, , .		0
17	Optimization of the qualityâ€toâ€power ratio of scalable video code video transmission in millimeterâ€wave massive multipleâ€input multipleâ€output systems. Transactions on Emerging Telecommunications Technologies, 0, , e4379.	2.6	3
18	A 28-90-GHz GaN Power Amplifier MMIC Using an Integrated f _T -Doubler Topology. , 2021, , .		1

#	Article	IF	CITATIONS
19	Towards 6G Communications: Architecture, Challenges, and Future Directions. , 2021, , .		6
20	THz Photo-Polymeric Lens Antennas for Potential 6G Beamsteering Frontend. , 2021, , .		1
21	Quadratic Detection-Based Millimeter-Wave MMIC for Wireless Communication and Localization. , $2021,,$.		0
22	Channel Estimation for Broadband Millimeter Wave MIMO Systems Based on High-Order PARALIND Model. Wireless Communications and Mobile Computing, 2021, 2021, 1-12.	0.8	0
23	Effective Capacity Analysis of NOMA Networks with Short Packets. Applied Sciences (Switzerland), 2021, 11, 11438.	1.3	1
24	Millimeter Wave SIW Cavity-Fed Filtenna Arrays for 5G Wireless Applications. IEICE Transactions on Communications, 2022, E105.B, 707-714.	0.4	0
25	Millimeter-Wave Low Side- and Back-Lobe SIW Filtenna Array Fed by Novel Filtering Power Divider Using Hybrid TE ₁₀₁ /TE ₃₀₁ Mode SIW Cavities. IEEE Access, 2021, 9, 167706-167714.	2.6	9
26	Consideration of the F eeding Networks for Measurement of mmWave/Sub-THz SoP/SoC/SoD Antennas in 5G and 6G. , 2021, , .		0
27	A Millimeter-Wave Substrate Integrated Waveguide H-Plane Horn Antenna With Enhanced Gain and Efficiency. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 769-773.	2.4	6
28	VLC Enabled Hybrid Wireless Network for B5G/6G Communications. Wireless Personal Communications, 2022, 124, 1741-1771.	1.8	8
29	Achievable rate approximation for massive MIMO with limited number of interfering clients. Telecommunication Systems, 2022, 79, 463.	1.6	0
30	Six Critical Challenges for 6G Wireless Systems: A Summary and Some Solutions. IEEE Vehicular Technology Magazine, 2022, 17, 16-26.	2.8	26
31	On the Design of Modular Reflecting EM Skins for Enhanced Urban Wireless Coverage. IEEE Transactions on Antennas and Propagation, 2022, 70, 8771-8784.	3.1	24
32	Performance Evaluation of Seamless 5G Outdoor RoFSO Transmission at 39 GHz. IEEE Photonics Technology Letters, 2022, 34, 7-10.	1.3	15
33	Photonic Beamforming Incorporating Ring Resonator Based on Silicon-on-Insulator Waveguide Technology. Silicon, 2022, 14, 8869-8879.	1.8	1
34	Physical layer authentication for 5G/6G millimeter wave communications by using channel sparsity. IET Communications, 2022, 16, 206-217.	1.5	2
35	Learning to Optimize User Association and Spectrum Allocation With Partial Observation in mmWave-Enabled UAV Networks. IEEE Transactions on Wireless Communications, 2022, 21, 5873-5888.	6.1	3
36	Optimal Capacity-Driven Design of Aperiodic Clustered Phased Arrays for Multi-User MIMO Communication Systems. IEEE Transactions on Antennas and Propagation, 2022, 70, 5491-5505.	3.1	12

#	Article	IF	CITATIONS
37	Performance Analysis of Video Transmission Over OWC-PON in Weak Turbulence Regimes. Lecture Notes in Electrical Engineering, 2022, , 409-423.	0.3	0
39	Secrecy Rate Optimization in Nonlinear Energy Harvesting Model-Based mmWave IoT Systems With SWIPT. IEEE Systems Journal, 2022, 16, 5939-5949.	2.9	12
40	Tree-Coding-Aided Adaptive-Cross-Entropy Algorithm for Hybrid Precoding With Low-Resolution Analog Phase Shifters. IEEE Transactions on Vehicular Technology, 2022, 71, 6807-6812.	3.9	2
41	Hollow-Waveguide Tri-Band Shared-Aperture Full-Corporate-Feed Continuous Transverse Stub Antenna. IEEE Transactions on Antennas and Propagation, 2022, 70, 6635-6645.	3.1	4
42	A Low Complexity Moving Average Nested GMP Model for Digital Predistortion of Broadband Power Amplifiers. IEEE Transactions on Circuits and Systems I: Regular Papers, 2022, 69, 2070-2083.	3.5	6
43	Analog Beamforming Transceiver for Millimeter-Wave Communication. , 2022, , .		3
44	Optical millimeter-wave generation techniques: An overview. Optik, 2022, 258, 168858.	1.4	7
45	Towards Smart Electromagnetic Environments. , 2021, , .		2
46	A Slot Coupled Parasitic DRA Antenna using EBG wall for high Gain used for radio astronmy and space to earth applications. , 2021, , .		1
47	Symplectic Tensor Signal Algebraic Framework for Delay-Doppler Processing in OTFS Networks. , 2021, , ,		Ο
48	Comparison of different Machine Learning techniques for PCE estimation of MMWave Energy Harvesting Rectifier devices. , 2021, , .		0
49	Laser-machined ceramic band-pass filters development for mm-Wave applications. , 2021, , .		Ο
50	Conjointly Electromagnetic Simulations for Bended Microstrip Antenna Designs. , 2021, , .		0
51	Millimeter Wave Wide-Angle Scanning Waveguide Slot Filtenna Array for 5G Applications. , 2021, , .		2
52	A Wideband Slot Pair Array Based on SIDL Technology for 5G Millimeter-Wave Application. , 2021, , .		0
53	D-band Quasi-Yagi Antenna in Glass-based Package. , 2021, , .		3
54	Millimeter waves alter DNA secondary structures and modulate the transcriptome in human fibroblasts. Biomedical Optics Express, 2022, 13, 3131.	1.5	6
55	Array Antenna for Wireless Access Points and Futuristic Healthcare Devices. Electronics (Switzerland), 2022, 11, 1226.	1.8	1

#	Article	IF	CITATIONS
56	Design and Application of Intelligent Reflecting Surface (IRS) for Beyond 5G Wireless Networks: A Review. Sensors, 2022, 22, 2436.	2.1	28
57	Integration Design of Millimeter-Wave Bidirectional Endfire Filtenna Array Fed by SIW Filtering Power Divider. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 1457-1461.	2.4	8
58	An Efficient OTA Calibration and Pattern Estimation Method for 5G mmWave Large-Scale Arrays. IEEE Transactions on Antennas and Propagation, 2022, 70, 8440-8451.	3.1	3
59	A Compact Dual-Band Dual-Circularly Polarized SIW Cavity-Backed Antenna Array for Millimeter-Wave Applications. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 1572-1576.	2.4	14
60	Retrospect and Prospect on Integrations of Millimeter-Wave Antennas and Non-Millimeter-Wave Antennas to Mobile Phones. IEEE Access, 2022, 10, 48904-48912.	2.6	10
61	Low-Profile Dual-Band Magneto-Electric Dipole Antenna Loaded With Metasurface. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 1492-1496.	2.4	3
62	RF Performance Optimization of Stacked Si Nanosheet nFETs. , 2022, , .		3
63	Evolution of optical wireless communication for B5G/6G. Progress in Quantum Electronics, 2022, 83, 100398.	3.5	33
64	Millimeter wave phased array antenna based on highly conductive graphene-assembled film for 5G applications. Carbon, 2022, 196, 493-498.	5.4	14
65	Development of A Symmetric Metamaterial Absorber with Bandwidth Improvements for 5G Millimeter-Wave Applications. , 2022, , .		2
66	Enhancement of 5G Millimeter-Wave Coverage in Indoor Scenarios by Passive Shaped-Beam Reflectarray Panels. , 2022, , .		2
67	Design of FSS-Backed Reflectarray Cells for Coverage-Enhancing Panels with Suppressed Out-Of-Band Reflections in Millimeter-Wave 5G. , 2022, , .		1
68	RF Performance of Stacked Si Nanosheets/Nanowires. IEEE Electron Device Letters, 2022, 43, 1017-1020.	2.2	9
69	Planning of EM Skins for Improved Quality-of-Service in Urban Areas. IEEE Transactions on Antennas and Propagation, 2022, 70, 8849-8862.	3.1	22
70	Evolution of Wireless Communication to 6G: Potential Applications and Research Directions. Sustainability, 2022, 14, 6356.	1.6	21
71	Downlink Wideband Channel Estimation for Asymmetrical Full-Digital System. IEEE Wireless Communications Letters, 2022, 11, 1830-1834.	3.2	1
72	Finite-Resolution Digital Beamforming for Multi-User Millimeter-Wave Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 9647-9662.	3.9	4
73	Massive MIMO NOMA with wavelet pulse shaping to minimize undesired channel interference. ICT Express, 2022, , .	3.3	2

		CITATION REPORT		
#	Article		IF	CITATIONS
74	Interactive Landscape Design and Application Effect Evaluation of Community Sports Park by Wirel Communication Technology. Wireless Communications and Mobile Computing, 2022, 2022, 1-11.	255	0.8	2
75	Bidirectional robust and fault-tolerant <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e146" altimg="si3.svg"><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mm non-sensitive compensation filter controller based on amorphous flattened air-to-ground wireless self-assembly system. ISA Transactions, 2022</mm </mml:mrow></mml:msub></mml:math 	l:mi>â^ž <td>n3i1<td>าl:mrow></td></td>	n 3i1 <td>าl:mrow></td>	า l:m row>
76	Millimeter-Wave ±45° Dual Linearly Polarized End-Fire Phased Array Antenna for 5G/B5G Mobile Terminals. IEEE Transactions on Antennas and Propagation, 2022, 70, 10391-10404.		3.1	9
77	Differentially Fed Dual-Polarized 2-D Multibeam Dielectric Resonator Antenna Array Based on Printe Ridge Gap Waveguide. IEEE Transactions on Antennas and Propagation, 2022, 70, 7967-7977.	d	3.1	8
78	Laser Direct Structuring of Semiconductor Liquid Encapsulants for Active Mold Packaging. , 2022, ,			1
79	A Simple Beamforming Technique for Intelligent Reflecting Surfaces in 5G Scenarios. , 2022, , .			3
80	Wideband Millimeter-Wave Beam Scanning Dielectric Resonator Antenna. , 2022, , .			1
81	Passive intelligent reflecting surfaces based on reflectarray panels to enhance 5G millimeter-wave coverage. International Journal of Microwave and Wireless Technologies, 0, , 1-12.		1.5	1
82	Future outlook on 6G technology for renewable energy sources (RES). Renewable and Sustainable Energy Reviews, 2022, 167, 112722.		8.2	24
83	A Review of Orbital Angular Momentum Vortex Waves for the Next Generation Wireless Communications. IEEE Access, 2022, 10, 89465-89484.		2.6	18
84	Substrate Integrated Waveguide (Siw) Based Construction Of Beam Steering System Consisting Of Millimeter Wave Antenna. , 2022, , .			0
85	A WMMSE Approach to Distortion-Aware Beamforming Design for Millimeter-Wave Massive MIMO Downlink Communication. , 2022, , .			0
86	Spectral-efficient hybrid precoding for multi-antenna multi-user mmWave massive MIMO systems w low complexity. Eurasip Journal on Wireless Communications and Networking, 2022, 2022, .	ʻith	1.5	2
87	Predicting the Performance of a 26 GHz Transconductance Modulated Downconversion Mixer as a Function of LO Drive and DC Bias. Electronics (Switzerland), 2022, 11, 2516.		1.8	1
88	Artificial Intelligence Development and Music Education System Reform in the Context of 5G Netwo Wireless Communications and Mobile Computing, 2022, 2022, 1-10.	ork.	0.8	0
89	A Comprehensive Review of Metamaterials/Metasurface-Based MIMO Antenna Array for 5G Millimeter-Wave Applications. Journal of Superconductivity and Novel Magnetism, 2022, 35, 3025-3	8049.	0.8	7
90	Model-Driven Deep Learning Assisted Beam Tracking for Millimeter-Wave Systems. IEEE Communications Letters, 2022, 26, 2345-2349.		2.5	0
91	Millimeter-Wave Dual-Band Dual-Polarized SIW Cavity-Fed Filtenna for 5G Applications. IEEE Transactions on Antennas and Propagation, 2022, 70, 10104-10112.		3.1	12

#	Article	IF	CITATIONS
92	Wideband and High Gain Array Antenna for 5C Smart Phone Applications Using Frequency Selective Surface. IEEE Access, 2022, 10, 86117-86126.	2.6	6
93	An Ultralow-Loss and Lightweight Cellulose-Coated Silica Foam for Planar Fresnel Zone Plate Lens Applications in Future 6G Devices. IEEE Antennas and Wireless Propagation Letters, 2023, 22, 99-103.	2.4	4
94	User Scheduling and Power Allocation for Precoded Multi-Beam High Throughput Satellite Systems With Individual Quality of Service Constraints. IEEE Transactions on Vehicular Technology, 2023, 72, 907-923.	3.9	3
95	An Analysis on Wireless Communication in 6G THz Network and Their Challenges. , 2022, , 167-181.		2
96	Digital Predistortion for Dual-Linearly Polarized Millimeter-Wave Phased Array User Equipment. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 5248-5258.	2.9	1
97	Constant-Envelope OFDM for Power-Efficient and Nonlinearity-Tolerant Heterodyne MMW-RoF System With Envelope Detection. Journal of Lightwave Technology, 2022, 40, 6882-6890.	2.7	9
98	A Taxonomy and Lessons Learned From Blockchain Adoption Within the Internet of Energy Paradigm. IEEE Access, 2022, 10, 106708-106739.	2.6	4
99	Design of Hybrid Precoding for Millimeter-Wave MIMO-NOMA Systems Based on User Fairness. IEEE Communications Letters, 2022, 26, 2794-2798.	2.5	1
100	Predistortion-Based Linearization for 5G and Beyond Millimeter-Wave Transceiver Systems: A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2022, 24, 2029-2072.	24.8	5
101	Single-Sweep vs. Banded Characterizations of a D-band Ultra-Low-Loss SiC Substrate-Integrated Waveguide. , 2022, , .		4
102	A Novel Class of Dielectric Resonator Antenna Phased Arrays with Enhanced Beam-Scanning Capabilities for mm-Wave Applications. , 2022, , .		2
103	Design of EM Skins for Windowed Building Facades by Means of Non-Radiating Currents. , 2022, , .		0
104	Radiation Pattern Diversified Single-Fluid-Channel Surface-Wave Antenna for Mobile Communications. , 2022, , .		2
105	Radiation Pattern Diversified Double-Fluid-Channel Surface-Wave Antenna for Mobile Communications. , 2022, , .		1
106	Electronically Steerable Antennas for Future Heterogeneous Communication Networks: Review and Perspectives. IEEE Journal of Microwaves, 2022, 2, 545-581.	4.9	27
107	Electrically Tunable Microwave Technologies With Ferromagnetic Thin Film: Recent Advances in Design Techniques and Applications. IEEE Microwave Magazine, 2022, 23, 48-63.	0.7	3
108	Bandwidth Enhancement of the Millimeter-Wave Microstrip Linear Array With Loading of Shorting Pins. IEEE Transactions on Antennas and Propagation, 2023, 71, 1105-1110.	3.1	1
109	Dual-Band Shared-Aperture Variable Inclination Continuous Transverse Stub Antenna. IEEE Transactions on Antennas and Propagation, 2023, 71, 463-472.	3.1	1

#	Article	IF	CITATIONS
111	A Novel Multiple Access Scheme for 6G Assisted Massive Machine Type Communication. IEEE Access, 2022, 10, 117638-117645.	2.6	3
112	Scan-Loss Compensation for Full-Azimuth Multi-Facet Phased Array Antennas. IEEE Transactions on Antennas and Propagation, 2023, 71, 411-421.	3.1	1
113	Low-Cost and Highly Accurate Behavioral Modeling of Antenna Structures by Means of Knowledge-Based Domain-Constrained Deep Learning Surrogates. IEEE Transactions on Antennas and Propagation, 2023, 71, 105-118.	3.1	6
114	Millimeter-Wave Array Antennas Using Broadband 3D Folded Strip Elements for B5G/6G Communications. IEEE Transactions on Antennas and Propagation, 2022, 70, 11569-11581.	3.1	4
115	A Circularly Polarized Millimeter-Wave Antenna with High Radiation Efficiency. , 2022, , .		0
116	Near Field Models of Spatially-Fed Planar Arrays and Their Application to Multi-Frequency Direct Layout Optimization for mm-Wave 5G New Radio Indoor Network Coverage. Sensors, 2022, 22, 8925.	2.1	3
117	Substrate Integrated Waveguide Multiband Bandpass Filters and Multiplexers: Current Status and Future Outlook. IEEE Journal of Microwaves, 2023, 3, 466-483.	4.9	8
118	MIMO Channel Estimation Using Score-Based Generative Models. IEEE Transactions on Wireless Communications, 2023, 22, 3698-3713.	6.1	2
119	A Wideband Magnetoelectric Dipole Antenna With Wide Beamwidth for Millimeter-Wave Applications. IEEE Antennas and Wireless Propagation Letters, 2023, 22, 918-922.	2.4	7
120	Frontiers in Flexible and Shape-Changing Arrays. IEEE Journal of Microwaves, 2023, 3, 349-367.	4.9	1
121	A 24-30 GHz Balanced PA With High Linearity for mm-Wave 5G in 130 nm SiGe BiCMOS. , 2022, , .		1
122	Compact Antenna Test Range EVM Measurements of a Millimeter-Wave Phased Array using a VNA. , 2022, , .		2
123	Grey neural network channel estimation and <scp>RBFNN</scp> hybrid precoding schemes for the multi user millimeter wave massive <scp>MIMO</scp> . Transactions on Emerging Telecommunications Technologies, 2023, 34, .	2.6	2
124	B5C/6C Service Planning Process for the Deployment of Smart Cities as a Model for Massive Urban Area Applications. , 2022, , .		2
125	Continuous Electrowetting Surface-Wave Fluid Antenna for Mobile Communications. , 2022, , .		2
126	Multi-band microwave vector signal generation and transmission for mobile fronthaul networks. , 2022, , .		1
127	Secure Hybrid Beamforming for IRS-Assisted Millimeter Wave Systems. IEEE Transactions on Wireless Communications, 2023, 22, 5111-5128.	6.1	1
128	An Efficient OTA Cross-Polarization Performance Estimation Method for 5G mm-Wave Large-scale Arrays. , 2022, , .		0

ARTICLE IF CITATIONS # A Millimeter-Wave Filtering Power Divider Based on AFSIW with High Isolation., 2022,,. 129 0 E-Plane Beamwidth Suppressed SIW H-Plane Horn Antenna for 5G Handset Devices., 2022,,. Proposal and FPGA implementation of DBSCAN clustering nonlinear detector for MMW RoF system., 131 1 2022,,. Channel Attention-Based Path Loss Prediction Model in Asymmetric Massive MIMO Systems., 2022,,. 132 Plane-Wave Generation through General Near-Field In-Band Reflectarray Direct Layout Optimization 133 1.8 2 with Figure of Merit Constraints in mm-Wave Band. Electronics (Switzerland), 2023, 12, 91. Fully Metallic Millimeter-Wave Lens Array Antenna for Wide-Angle Beam Scanning Phased Array. , 2022, Multi-Gigabit Millimeter-Wave Industrial Communication: A Solution for Industry 4.0 and Beyond., 135 2 2022, , . Statistical Model of Accurately Estimating Service Delay Behavior in Saturated IEEE 802.11 Networks 2.4 Based on 2-D Markov Chain. Future Internet, 2023, 15, 6. 137 Wideband Dual-Polarized Millimeter-Wave Dielectric Resonator Antenna., 2022, , . 0 Low complex analog beamforming design in multi-user mmWave non-orthogonal multiple access 1.0 (NOMA). Journal of Circuits, Systems and Computers, 0, , . A Millimeter-Wave Polarization-Reconfigurable Double-Folded Antenna Array. IEEE Antennas and 139 2.4 1 Wireless Propagation Letters, 2023, 22, 2060-2064. Low-Profile Wideband Circularly Polarized Complementary Antenna and Arrays for Millimeter-Wave 3.1 Communications. IEEE Transactions on Antennas and Propagation, 2023, 71, 2052-2063. 141 6G: The Next Giant Leap for Al and ML. Procedia Computer Science, 2023, 218, 310-317. 1.2 3 D-Band Integrated and Miniaturized Quasi-Yagi Antenna Array in Glass Interposer. IEEE Transactions on Terahertz Science and Technology, 2023, 13, 270-279. 142 Reconfigurable Millimeter-Wave Tri-Band Antenna Based on VO₂-Films-Embedded 143 Co-Aperture Metasurface Structures. IEEE Transactions on Antennas and Propagation, 2023, 71, 3.11 3134-3145. A Dual-Band Antenna for LTE/mmWave Mobile Terminal Applications. IEEE Transactions on Antennas 144 3.1 and Propagation, 2023, 71, 2826-2831. Millimeter Wave Filtenna Array for 5G Communications., 2022, , . 145 0 146 Received Path Power Prediction for Millimeter-wave Using LSTM under Indoor Environments., 2022, , .

ARTICLE IF CITATIONS Interference elimination in IRS-enabled indoor mmw-D2D communication., 2022,,. 0 147 Millimeter-Wave Filtering Metasurface Antenna Array With Printed RGW Technology. IEEE Antennas 148 2.4 and Wireless Propagation Letters, 2023, 22, 1622-1626. Meta-transfer Learning for Massive MIMO Channel Estimation for Millimeter-Wave Outdoor Vehicular 149 0 Environments., 2023, A Self-Replicating Single-Shape Tiling Technique for the Design of Highly Modular Planar Phased Arraysâ€"The Case of L-Shaped Rep-Tiles. IEEE Transactions on Antennas and Propagation, 2023, 71, 3.1 3335-3348. Thermal dissipation network of hexagonal boron nitride platelets induced by low dielectric 151 2.0 1 polymeric particles for millimeter wave devices. Sensors and Actuators A: Physical, 2023, 355, 114288. A Shared-Aperture Cavity Slot Antenna-in-Package Concept Featuring End-Fire and Broadside Radiation for Enhanced Beam Coverage of mmWave Mobile Devices. IEEE Transactions on Antennas and Propagation, 2023, 71, 1378-1390. 3.1 Millimeter-Wave Phased Array Antenna Integrated With the Industry Design in 5G/B5G Smartphones. 153 3.1 8 IEEE Transactions on Antennas and Propagation, 2023, 71, 1883-1888. A Dual-Band Dual-Circularly-Polarized Transmit-Array Antenna for \$Kext{-}/Ka\$-band Applications., 154 Digital-care in next generation networks: Requirements and future directions. Computer Networks, 155 3.2 5 2023, 224, 109599. One-Shot Blind Frequency-Domain Nonlinear Equalization for Millimeter-Wave Fiber-Wireless IFoF 2.7 Mobile Fronthaul System. Journal of Lightwave Technology, 2023, 41, 4624-4634. Dynamic user clustering with hybrid beamforming in millimeter wave nonâ€orthogonal multiple access (NOMA) and power allocation using teaching learning based optimization (TLBO). Transactions on 157 0 2.6 Emerging Telecommunications Technologies, 2023, 34, . Outage-Minimization Coordinated Multi-Point for Millimeter-Wave OFDM With Random Blockages. IEEE Transactions on Vehicular Technology, 2023, 72, 8783-8796. Reflective graphene metasurface without a metallic plate. Journal of Applied Physics, 2023, 133, . 159 1.1 3 A 26/38-GHz Dual-Band Filtering Balanced Power Amplifier MMIC for 5G Mobile Communications., 2023, 33, 419-422. PSO based power allocation in multiuser hybrid beamforming mmWave NOMA. Wireless Networks, 0, , . 161 2.0 0 Joint beamwidth and resource optimization in ultra-dense MmWave D2D communications. Wireless Networks, 2023, 29, 2093-2104. Budgeted Thompson Sampling for IRS Enabled WiGig Relaying. Electronics (Switzerland), 2023, 12, 1146. 163 1.8 3 Ensemble-transfer-learning-based channel parameter prediction in asymmetric massive MIMO systems. 164 1.5 Frontiers of Information Technology and Electronic Engineering, 2023, 24, 275-288.

		CITATION REPORT		
#	ARTICLE 3D Printed Antennas for 5G Communication: Current Progress and Future Challenges. ,	2023 2 100065	IF	CITATIONS
105	50 Frinted Antennas for 50 Communication. Current Progress and Future Chanenges.,	2023, 2, 100003.		0
166	A 24.25–30 GHz radio frequency upâ€down converter with harmonic distortions millimeter wave radio channel emulator applications. Microwave and Optical Technology		0.9	0
167	Spectral Efficiency Performance of Multi Cell MIMO Systems in Impulsive Noise Channel International Journal of Circuits, Systems and Signal Processing, 2023, 17, 92-99.	s.	0.2	0
168	A Low SAR Beam Steering Slotted Array Antenna for mmWave 5G Mobile Handsets. , 20	23,,.		0
169	A Novel THz Massive MIMO Beam Domain Channel Model for 6G Wireless Communicati Transactions on Vehicular Technology, 2023, , 1-16.	on Systems. IEEE	3.9	0
170	A varactor-based 1024-element RIS design for mm-waves. Frontiers in Communications 4, .	and Networks, 0,	1.9	2
171	Lightweight multi-hop routing protocol for resource optimisation in edge computing ner Internet of Things (Netherlands), 2023, 22, 100758.	tworks.	4.9	3
172	Collaborative Management of Resource Allocation and Precoding for Dual-Mode Networ Transactions on Vehicular Technology, 2023, 72, 10879-10893.	ks. IEEE	3.9	0
173	A Trigger-Free Multi-Active-Probe Anechoic Chamber System for 5G/6G Millimeter Wave Transactions on Microwave Theory and Techniques, 2023, , 1-10.	OTA Test. IEEE	2.9	0
174	RF Energy Harvesting and Wireless Power Transfer for Energy Autonomous Wireless Dev RFIDs. IEEE Journal of Microwaves, 2023, 3, 763-782.	vices and	4.9	8
175	RF Glass Technology Is Going Mainstream: Review and Future Applications. IEEE Journal 2023, 3, 783-799.	of Microwaves,	4.9	6
176	Shared Aperture 4G LTE and 5G mm-Wave Antenna in Mobile Phones With Enhanced mi in the Display Direction. IEEE Transactions on Antennas and Propagation, 2023, 71, 477		3.1	2
177	An Integrated Dual-Band Dual-Circularly Polarized Shared-Aperture Transmit-Array Anten K-/Ka-Band Applications Enabled by Polarization Twisting Elements. IEEE Transactions on Propagation, 2023, 71, 4955-4966.		3.1	5
178	Methods for Simplifying Quasi-Deterministic Millimeter-Wave Channel Models. IEEE Acc 34529-34543.	ess, 2023, 11,	2.6	0
179	The Deployment of Sustainable 5G Networks. , 2023, , .			0
180	FEM modeling of gate resistance for 5 nm SGC/DGC Stacked Nanosheet Transistor. , 20	23, , .		Ο
181	A Survey on Enabling Technologies and Recent Advancements in 6G Communication. Jo Conference Series, 2023, 2466, 012005.	urnal of Physics:	0.3	0
182	Device Free Indoor Localization in the 28 GHz band based on machine learning. Procedia Science, 2023, 220, 55-63.	Computer	1.2	Ο

#	Article	IF	CITATIONS
183	Power Amplifier Design for 25.1km Long-distance Transmission under 214km/h High-speed Movement of Air-to-ground Wireless Self-assembled Network Nodes. IEEE Access, 2023, , 1-1.	2.6	0
184	Transmitarray and Reflectarray Antennas Based on a Magnetoelectric Dipole Antenna. , 2023, 1, 1-14.		Ο
185	Near-Field Dual-Polarized Feedback Technique for Linearity Enhancement of 5G Millimeter-Wave Phased Array. , 2022, , .		0
189	Circularly Polarized Series Fed Antenna Array for Automotive 5G mmWave Communcations. , 2023, , .		1
192	Radiation Pattern Synthesis of Folded Geodesic Lens Antennas. , 2023, , .		0
193	A Novel Heatsink Attached mm-Wave Active Patch Antenna With Adjustable Frequency and Cooling. , 2023, , .		0
194	BEOL Design and RF Performance of Stacked Si Nanosheets and Nanowires. , 2023, , .		0
195	Statistical Effects of Propagation Environment and Transmit Array Topology on Cell-Edge User Service Quality at mm-Waves. , 2023, , .		0
196	Study on the Effect of the Wall in the Performance of an Intelligent Reflective Surface for Providing Coverage in mm-Wave Frequencies. , 2023, , .		1
198	Dual-Band Single-Layer Frequency Selective Surface for Millimeter-Wave 5G Applications. , 2023, , .		0
199	Shared-Volume Millimeter-Wave Substrate Integrated Step Horn Antennas and Arrays. , 2023, , .		0
202	Extraordinary Permittivity Characterization Using 4H-SiC Substrate-Integrated-Waveguide Resonators. , 2023, , .		3
216	A Novel High Gain Tri-Band Three-Dimensional Phased Array for 24/26/28 GHz Smartphone Applications. , 2023, , .		0
221	Multi-beam and Beamforming Terahertz Array Antenna for 6G Communication. , 2023, , 219-262.		0
222	Ab-initio Multiscale Thermal Modeling of 5 nm Stacked Nanosheet Field Effect Transistor for Thermal Hotspot Optimization inside the Channel. , 2023, , .		0
225	A 3-Way GaN Doherty Power Amplifier for 28 GHz 5G FR2 Operation. , 2023, , .		1
228	Convex Optimization-Based Sidelobe Control for Planar Arrays. , 2023, , .		2
229	An Adaptive RFIC Layout Generator with DRC Violations Self-repair Strategy. , 2023, , .		Ο

#	Article	IF	CITATIONS
235	6G-IoT Framework for Sustainable Smart City: Vision and Challenges. , 2023, , 97-117.		1
236	Wireless Energy Harvesting and Transfer: A Comprehensive Review of Recent Developments. , 2023, , .		1
237	A Terahertz Photoconductive Antenna Design for Gain Enhancement Based on the Chinese Totem Tai-Chi. , 2023, , .		0
238	Pattern Reconfigurable Capped Patch Antenna for mm-Wave 5G Applications. , 2023, , .		0
242	A High Gain Sub-6-GHz Array Antenna for 5G Applications. , 2023, , .		0
246	Hardware Platform for Layer 2 IAB Architecture based on a Transceiver Manufactured at 26 GHz. , 2023, , .		0
253	D-Band Characterization of a Commercial High-Resistivity Silicon Calibration Substrate. , 2023, , .		0
254	Broadband High-SFDR Digital-IF Module for 5G Millimeter-wave Transmitters. , 2023, , .		Ο
255	A Millimeter-Wave Wide-Angle Scanning Phased Array With Printed Ridge Gap Waveguide Feeding. , 2023, , .		0
257	An Unconventional Measurement Technique for the Nonlinear Characterization of mm-Wave GaN HEMT. , 2023, , .		Ο
259	A 39.5 dBm GaN Doherty Amplifier MMIC with Phase Control for Ka-band Space Applications. , 2023, , .		0
263	Integrating ADR and UAVs with Millimeter-Wave Transmission Under Rician Fading Channel. , 2023, , .		Ο
268	Multi-Channel PA, LNA, and Switch MMICs for Beam-Switching Applications at 160 GHz, Based on an InGaAs mHEMT Technology. , 2023, , .		0
269	Dual-Polarized End-Fire MM-Wave Mobile Terminal Antennas for 5G and Beyond: An Overview. , 2023, , .		Ο
270	Millimeter-Wave Compact Loop Electric Dipole Array Antenna with Six Switchable Titled Beams. , 2023, ,		0
274	Antenna Array Fault Detection Using Logistic Regression Technique. Communications in Computer and Information Science, 2024, , 13-29.	0.4	Ο
278	Path Power Prediction Improving Scheme for Millimeter-wave using LSTM under Indoor Environments. , 2023, , .		0
285	Heuristic Over-the-Air Calibration of Beamformer ICs in Active mm-Wave Phased Arrays. , 2023, , .		0

#	Article	IF	CITATIONS
286	A Novel Butler-Enhanced 2 Beam by 4 Element Analog Beamforming Network. , 2023, , .		0
287	Recent Advances in the mm-Wave Array for Mobile Phones. , 0, , .		Ο
288	Power Normalization and Precoding for Massive MIMO in Outdoor-to-Indoor mmWave Relaying. , 2023, , .		0
289	A Cluster Based Relay Assisted Communication for Prioritized Mobile End-Users. , 2023, , .		0
292	Simplified Two-Dimensional Optical Beamforming Network Based on Cascade Microring Resonators in All-Pass Filter Configuration. , 2023, , .		0
294	Dual Polarized Patch Antenna Array with Capacitive Proximity Sensor for Hand Grip Detection in 5G mmWave Mobile Devices. , 2023, , .		0
297	Genetic-CNN based fault diagnosis in antenna array. , 2023, , .		0
298	Dual-Polarized Phase-Gradient Reflecting Metasurface for 5G mmWave Coverage Improvement. , 2023, , .		0
299	Environment Mapping Based on mmWave MIMO OFDM Communication Systems towards 6G Integrated Communication and Sensing. , 2023, , .		0
300	A Comprehensive Survey on Millimeter Wave Antennas at 30/60/120 GHz: Design, Challenges and Applications. Wireless Personal Communications, 2023, 133, 1547-1584.	1.8	0
302	Research on Channel Modeling in Enclosed Metal Scenario with Aperture. , 2023, , .		0
303	Microwave wireless energy transfer and storage for railway Internet of Things. , 2023, , .		0
304	Millimeter- Wave Vehicle-to-Infrastructure Communications for Autonomous Vehicles: Location-Aided Beam Forecasting in 6G. , 2024, , .		0
307	A D-band Frequency-Doubling Distributed Amplifier Through Monolithic Integration of SiC SIW and GaN HEMTs. , 2023, , .		0
308	A Compact F-band Filter Based on SiC Substrate-integrated Waveguides. , 2023, , .		0
312	Millimeter Wave Path Loss Modeling forÂUAV Communications Using Deep Learning. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2024, , 125-134.	0.2	0