

Wei Hong

List of Publications by Year in descending order

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13332

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times ranked

8624
citing authors

#	ARTICLE	IF	CITATIONS
1	A Variable Gain Power Amplifier Based on Switched-Capacitor Array With Stable Linearity. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 289-293.	2.2	2
2	A 45° Polarized Wideband and Wide-Coverage Patch Antenna Array for Millimeter-Wave Communication. IEEE Transactions on Antennas and Propagation, 2022, 70, 1919-1930.	3.1	12
3	Sparse Inverse Synthetic Aperture Radar Imaging Using Structured Low-Rank Method. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	2.7	13
4	Digital Predistortion of 5G Multiuser MIMO Transmitters Using Low-Dimensional Feature-Based Model Generation. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 1509-1520.	2.9	8
5	An E-Band SiGe High Efficiency, High Harmonic Suppression Amplifier Multiplier Chain With Wide Temperature Operating Range. IEEE Transactions on Circuits and Systems I: Regular Papers, 2022, 69, 1041-1050.	3.5	6
6	A Wide Tuning Range Low-Phase-Noise Ku/Ka Dual Bands SiGe VCO Based on Transformer-Coupled Tank. IEEE Microwave and Wireless Components Letters, 2022, 32, 437-440.	2.0	4
7	Millimeter Wave SIW Cavity-Fed Filter Arrays for 5G Wireless Applications. IEEE Transactions on Communications, 2022, E105.B, 707-714.	0.4	0
8	A 208-GHz Injection Locking Doubler Chain With 3.2% PAE and 2.9-mW Output Power in CMOS Technology. IEEE Microwave and Wireless Components Letters, 2022, 32, 351-354.	2.0	2
9	HRWS SAR Narrowband Interference Mitigation Using Low-Rank Recovery and Image-Domain Sparse Regularization. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	2.7	27
10	Circularly Polarized One-Bit Reconfigurable ME-Dipole Reflectarray at X-Band. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 496-500.	2.4	31
11	A 37-GHz Asymmetric Doherty Power Amplifier With 28-dBm P_{sat} and 32% Back-Off PAE in 0.1- μm GaAs Process. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 1391-1400.	2.9	6
12	A Wideband Circularly Polarized Magneto-Electric Dipole Antenna Array for Millimeter-Wave Applications. IEEE Transactions on Antennas and Propagation, 2022, 70, 3876-3881.	3.1	12
13	Dual-Wideband Dual-Circularly-Polarized Shared-Aperture Reflectarrays With a Single Functional Substrate for K-/Ka-Band Applications. IEEE Transactions on Antennas and Propagation, 2022, 70, 5404-5417.	3.1	14
14	A Structure Reuse Method for Realizing Large Frequency Ratio Dual-Band Multi-Channel Integrated Filters. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 2101-2105.	2.2	4
15	Broadband Circularly Polarized Magnetolectric Dipole Antenna and Array for K-Band and Ka-Band Satellite Communications. IEEE Transactions on Antennas and Propagation, 2022, 70, 5907-5912.	3.1	18
16	Harmonic Suppression of a Three-Stage 31-GHz GaN MMIC Power Amplifier Using Elliptic Low-Pass Filtering Matching Network. IEEE Microwave and Wireless Components Letters, 2022, 32, 551-554.	2.0	16
17	2-D Orthogonal Multibeam Antenna Arrays for 5G Millimeter-Wave Applications. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 2815-2824.	2.9	7
18	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

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19	Single-Layer 1-Bit Prephased Single-Beam Metasurface Using True-Time Delayed Unit Cells. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 1095-1099.	2.4	5
20	Enhanced-Stopband Dual-Polarized Filtenna Without Extra Circuit for Tile Array Applications. IEEE Transactions on Antennas and Propagation, 2022, 70, 7193-7198.	3.1	6
21	An Efficient Radio Frequency Interference Mitigation Algorithm in Real Synthetic Aperture Radar Data. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	2.7	24
22	A Linearity-Enhanced 18.7-36.5-GHz LNA With 1.5-2.1-dB NF for Radar Applications. IEEE Microwave and Wireless Components Letters, 2022, 32, 972-975.	2.0	11
23	A Hybrid-Element Approach to Design Wideband ME-Dipole Transmitarray With Improved Aperture Efficiency. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 1338-1342.	2.4	7
24	A Compact, Ultrawideband Dual-Polarized Vivaldi Antenna With Radar Cross Section Reduction. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 1323-1327.	2.4	7
25	A 300 GHz Push-Push Coupling VCO Employing T-Embedded Network in CMOS Technology. IEEE Transactions on Terahertz Science and Technology, 2022, 12, 426-429.	2.0	5
26	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
27	A Wideband Dual-Polarized Magneto-Electric Dipole Transmitarray With Independent Control of Polarizations. IEEE Transactions on Antennas and Propagation, 2022, 70, 8632-8636.	3.1	14
28	Hybrid Metasurface, Dielectric Resonator, Low-Cost, Wide-Angle Beam-Scanning Antenna for 5G Base Station Application. IEEE Transactions on Antennas and Propagation, 2022, 70, 7646-7658.	3.1	24
29	Recent Developments of Wideband and Multi-Band Dual-Circularly-Polarized Reflect-Arrays. , 2022, , .		0
30	Generalized Sequential Rotation Arrays With Full Control of Dual-Circularly-Polarized Aperture-Field Distribution Based on Elliptically-Polarized Elements. IEEE Transactions on Antennas and Propagation, 2022, 70, 9198-9213.	3.1	2
31	A 66-76 GHz Wide Dynamic Range GaAs Transceiver for Channel Emulator Application. Micromachines, 2022, 13, 809.	1.4	1
32	Downlink Wideband Channel Estimation for Asymmetrical Full-Digital System. IEEE Wireless Communications Letters, 2022, 11, 1830-1834.	3.2	1
33	Multibranch Machine Learning-Assisted Optimization and Its Application to Antenna Design. IEEE Transactions on Antennas and Propagation, 2022, 70, 4985-4996.	3.1	11
34	A 24-28-GHz GaN MMIC Synchronous Doherty Power Amplifier With Enhanced Load Modulation for 5G mm-Wave Applications. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 3910-3922.	2.9	19
35	A Generalized Flat-Topped Beam Synthesis Approach for Uniform Linear Array With Arbitrary Beam Directions. IEEE Open Journal of Antennas and Propagation, 2022, 3, 709-721.	2.5	4
36	Wideband Dual-Circularly-Polarized Reflect-Arrays Based on Dual-Functional-Layer Cells With Berry-Phase Compensation at X-Band. IEEE Transactions on Antennas and Propagation, 2022, 70, 9924-9929.	3.1	2

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37	Research on Silicon-Based Terahertz Communication Integrated Circuits. Chinese Journal of Electronics, 2022, 31, 516-533.	0.7	1
38	Millimeter-Wave $\hat{\pm}45^\circ$ 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
39	W-band Scalable 2 $\hat{\pm}2$ Phased-Array Transmitter and Receiver Chipsets in SiGe BiCMOS for High Data-Rate Communication. IEEE Journal of Solid-State Circuits, 2022, 57, 2685-2701.	3.5	5
40	Differentially Fed Dual-Polarized 2-D Multibeam Dielectric Resonator Antenna Array Based on Printed Ridge Gap Waveguide. IEEE Transactions on Antennas and Propagation, 2022, 70, 7967-7977.	3.1	8
41	A Fast RFI Mitigation Approach via Alternating Projection in Real SAR Data. , 2022, , .		0
42	A Self-Calibration Method for 5G Full-Digital TDD Beamforming Systems Using an Embedded Transmission Line. IEEE Transactions on Antennas and Propagation, 2021, 69, 2648-2659.	3.1	11
43	Polarization-Controllable Dual-Band Antennas Using Nonbianisotropic Complementary Split Ring Resonator-Loaded Metasurfaces. IEEE Transactions on Antennas and Propagation, 2021, 69, 1146-1151.	3.1	3
44	Towards 6G wireless communication networks: vision, enabling technologies, and new paradigm shifts. Science China Information Sciences, 2021, 64, 1.	2.7	858
45	A wideband dual-polarized magneto-electric dipole antenna for millimeter wave applications. Microwave and Optical Technology Letters, 2021, 63, 1452-1457.	0.9	11
46	An Orthogonal Hybrid Analog-Digital Multibeam Antenna Array for Millimeter-Wave Massive MIMO Systems. IEEE Transactions on Antennas and Propagation, 2021, 69, 1393-1403.	3.1	32
47	Theory, Design, and Verification of Dual-Circularly Polarized Dual-Beam Arrays With Independent Control of Polarization: A Generalization of Sequential Rotation Arrays. IEEE Transactions on Antennas and Propagation, 2021, 69, 1369-1382.	3.1	15
48	SIW Cavity-Fed Filtenna Arrays for 5G Millimeter Wave Applications. , 2021, , .		4
49	A Broadband Circularly Polarized Reflectarray With Magneto-Electric Dipole Elements. IEEE Transactions on Antennas and Propagation, 2021, 69, 7005-7010.	3.1	24
50	Wideband and Low-Profile Integrated Dual-Circularly-Polarized Transmit-Arrays Enabled by Antenna-Filter-Antenna Phase Shifting Cells. IEEE Transactions on Antennas and Propagation, 2021, 69, 7462-7475.	3.1	25
51	A Broadband Power Amplifier in 130-nm SiGe BiCMOS Technology. IEEE Solid-State Circuits Letters, 2021, 4, 44-47.	1.3	11
52	A Wideband Dual-Linearly-Polarized Millimeter Wave Antenna for 5G Terminal Application. , 2021, , .		2
53	A 300-GHz Transmitter Front End With $\hat{\sim}4.1$ -dBm Peak Output Power for Sub-THz Communication Using 130-nm SiGe BiCMOS Technology. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 4925-4936.	2.9	14
54	Time-Domain Nonstationary Channel Emulation in Multiprobe Anechoic Chamber Setups for Over-the-Air Testing. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 2511-2515.	2.4	0

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55	A 220-GHz Power Amplifier With 22.5-dB Gain and 9-dBm P_{sat} in 130-nm SiGe. IEEE Microwave and Wireless Components Letters, 2021, 31, 1166-1169.	2.0	9
56	The Role of Millimeter-Wave Technologies in 5G/6G Wireless Communications. IEEE Journal of Microwaves, 2021, 1, 101-122.	4.9	312
57	A Compact Dual-Band Triple-Mode Antenna With Pattern and Polarization Diversities Enabled by Shielded Mushroom Structures. IEEE Transactions on Antennas and Propagation, 2021, 69, 6229-6243.	3.1	11
58	A High Linearity W-Band LNA With 21-dB Gain and 5.5-dB NF in 0.13 μ m SiGe BiCMOS. , 2021, , .		4
59	Diverse SRRs Loaded Millimeter-Wave SIW Antipodal Linearly Tapered Slot Filter With Improved Stopband. IEEE Transactions on Antennas and Propagation, 2021, 69, 8902-8907.	3.1	13
60	Data-Clustering-Assisted Digital Predistortion for 5G Millimeter-Wave Beamforming Transmitters With Multiple Dynamic Configurations. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 1805-1816.	2.9	11
61	Nature-inspired orbital angular momentum beam generator using aperiodic metasurface. Journal Physics D: Applied Physics, 2021, 54, 275106.	1.3	10
62	A Ka -Band Switchable LNA With 2.4-dB NF Employing a Varactor-Based Tunable Network. IEEE Microwave and Wireless Components Letters, 2021, 31, 385-388.	2.0	22
63	Radio propagation measurement and cluster-based analysis for millimeter-wave cellular systems in dense urban environments. Frontiers of Information Technology and Electronic Engineering, 2021, 22, 471-487.	1.5	7
64	A W-band preamplified MMIC power detector for passive imaging applications. Microwave and Optical Technology Letters, 2021, 63, 1875-1880.	0.9	0
65	A Hybrid Radar System With a Phased Transmitting Array and a Digital Beamforming Receiving Array. IEEE Transactions on Antennas and Propagation, 2021, 69, 1970-1981.	3.1	17
66	A Two-dimensional Multibeam Antenna Array Based on SIW Butler Matrices. , 2021, , .		1
67	Millimeter-Wave Filter Based on Modified Quarter-Mode Substrate Integrated Waveguide with High Selectivity. , 2021, , .		1
68	A Wide Tuning Range low Kvco Ka-Band BiCMOS LC-VCO Using Varactor Bank. , 2021, , .		3
69	Dual polarized Antenna and Array with Filtering Response and Low Cross Polarization for 5G Millimeter Wave Applications. , 2021, , .		0
70	A Two-Chip Cascaded FMCW Radar For 2D Angle Estimation. , 2021, , .		5
71	A 77-GHz Fully Integrated Power Amplifier for Automotive Radar Application in 40-nm CMOS. , 2021, , .		1
72	Analysis and Design of D-band High Output Power Signal Sources in 130-nm SiGe BiCMOS Process. , 2021, , .		1

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73	Millimeter Wave Broadband Circularly Polarized Antenna and Array with Stacked Structure. , 2021, , .		0
74	Wideband and Low Cross-Polarization Transmitarray Using 1 Bit Magnetolectric Dipole Elements. IEEE Transactions on Antennas and Propagation, 2021, 69, 2605-2614.	3.1	45
75	Broadband Dual-Polarized Single-Layer Reflectarray Antenna With Independently Controllable 1-Bit Dual Beams. IEEE Transactions on Antennas and Propagation, 2021, 69, 3294-3302.	3.1	37
76	A 230-GHz SiGe Amplifier With 21.8-dB Gain and 3-dBm Output Power for Sub-THz Receivers. IEEE Microwave and Wireless Components Letters, 2021, 31, 1004-1007.	2.0	7
77	A High-Linearity Adaptive-Bias SiGe Power Amplifier for 5G Communication. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 2770-2774.	2.2	7
78	Multipath Similarity Index Measure Across Multiple Frequency Bands. IEEE Wireless Communications Letters, 2021, 10, 1677-1681.	3.2	3
79	Dual-Wideband Hollowed Substrate-Integrated Stacked Antenna for Vertically Mounted Low-Elevation Scanning Array. IEEE Transactions on Antennas and Propagation, 2021, 69, 5100-5105.	3.1	1
80	Multilayer Machine Learning-Assisted Optimization-Based Robust Design and Its Applications to Antennas and Array. IEEE Transactions on Antennas and Propagation, 2021, 69, 6052-6057.	3.1	31
81	A Circularly Polarized 1 Bit Electronically Reconfigurable Reflectarray Based on Electromagnetic Element Rotation. IEEE Transactions on Antennas and Propagation, 2021, 69, 5585-5595.	3.1	54
82	A Wideband Subwavelength-Thick Circularly Polarized Discrete Lens Using Dielectric-Coated Polarization-Twisting ME-Dipole Elements. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1706-1710.	2.4	6
83	SIW Cavity-Fed Filtennas for 5G Millimeter-Wave Applications. IEEE Transactions on Antennas and Propagation, 2021, 69, 5269-5277.	3.1	51
84	Enhanced Pencil-Beam Scanning CTS Leaky-Wave Antenna Based on Meander Delay Line. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1760-1764.	2.4	15
85	An Efficient Graph-Based Algorithm for Time-Varying Narrowband Interference Suppression on SAR System. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 8418-8432.	2.7	30
86	A \sim 28.5-dB EVM 64-QAM 45-GHz Transceiver for IEEE 802.11aj. IEEE Journal of Solid-State Circuits, 2021, 56, 3077-3093.	3.5	9
87	Linearization Angle Widened Digital Predistortion for 5G MIMO Beamforming Transmitters. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 5008-5020.	2.9	9
88	A 24 μ m ² 30-GHz TRX Front-End With High Linearity and Load-Variation Insensitivity for mm-Wave 5G in 0.13- μ m SiGe BiCMOS. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 4561-4575.	2.9	22
89	Low-Profile, Broadband, Dual-Linearly Polarized, and Wide-Angle Millimeter-Wave Antenna Arrays for $\lt i \gt \lt /i \gt$ -Band 5G Applications. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 2038-2042.	2.4	34
90	A Nonlinear Transmission Line with Harmonic sub-THz Power Generation in a 40 nm CMOS Technology. , 2021, , .		2

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91	Modal Expansion Analysis, Design, and Optimization of Metasurface-Coated Vertically-Polarized Antennas. , 2021, , .		0
92	A SIW-Based Tapered Slot Antenna Plane Array with Low Cross-Polarization. , 2021, , .		0
93	Machine Learning Assisted Array Synthesis Under Mutual Coupling and Platform Effects. , 2021, , .		0
94	Multipath Machine Learning Assisted Optimization and Its Application for Antenna Design. , 2021, , .		0
95	Millimeter Wave Wide-Angle Scanning Waveguide Slot Filtenna Array for 5G Applications. , 2021, , .		2
96	Single-layer Prephased 1-bit Metasurface Using True-time Delay for Symmetric Beam Suppression. , 2021, , .		0
97	Broadband Patch Loaded Substrate-Integrated Cavity Backed Slot Array for Millimeter-Wave Applications. , 2021, , .		0
98	Optimal Design of Wideband Bandpass SIW Filters for 5G Millimeter-Wave Applications. , 2021, , .		0
99	Dual-band Dual-Circularly-Polarized Reflect-array for Four-Color Multibeam Generation at K-/Ka-bands. , 2021, , .		0
100	A Layer-Substitutable Dual-Circularly-Polarized Reflect-Array at X-band. , 2021, , .		0
101	Millimeter Wave Filtenna with Compact Size for 5G Applications. , 2021, , .		1
102	Digital Predistortion of 5G Massive MIMO Wireless Transmitters Based on Indirect Identification of Power Amplifier Behavior With OTA Tests. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 316-328.	2.9	50
103	Wideband Transmit Arrays Based on Anisotropic Impedance Surfaces for Circularly Polarized Single-Feed Multibeam Generation in the Q-Band. IEEE Transactions on Antennas and Propagation, 2020, 68, 217-229.	3.1	29
104	A Wideband High-Gain Planar Integrated Antenna Array for \$E\$ -Band Backhaul Applications. IEEE Transactions on Antennas and Propagation, 2020, 68, 2138-2147.	3.1	23
105	A Single Noninterleaved Metasurface for High-Capacity and Flexible Mode Multiplexing of Higher-Order Poincaré Sphere Beams. Advanced Materials, 2020, 32, e1903983.	11.1	67
106	An Aperture-Sharing Array for (3.5, 28) GHz Terminals With Steerable Beam in Millimeter-Wave Band. IEEE Transactions on Antennas and Propagation, 2020, 68, 4114-4119.	3.1	72
107	Single-Receiver Over-the-Air Digital Predistortion for Massive MIMO Transmitters With Antenna Crosstalk. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 301-315.	2.9	28
108	A 140 GHz High-Efficiency Slotted Waveguide Antenna Using a Low-Loss Feeding Network. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 94-98.	2.4	28

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109	Integrated Broadband Circularly Polarized Multibeam Antennas Using Berry-Phase Transmit-Arrays for $\text{K}\alpha$ -Band Applications. IEEE Transactions on Antennas and Propagation, 2020, 68, 859-872.	3.1	49
110	A Low-Profile and Wideband Triple-Mode Antenna for Wireless Body Area Network Concurrent On-/Off-Body Communications. IEEE Transactions on Antennas and Propagation, 2020, 68, 1982-1994.	3.1	29
111	A Novel E-plane-Focused Cylindrical Luneburg Lens Loaded With Metal Grids for Sidelobe Level Reduction. IEEE Transactions on Antennas and Propagation, 2020, 68, 736-744.	3.1	18
112	A Circularly Polarized Horn Antenna Based on an FSS Polarization Converter. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 277-281.	2.4	12
113	Low Profile Terahertz Antennas Using the Folded Reflectarray. , 2020, , .		1
114	Millimeter-Wave Broadband Substrate Integrated Magneto-Electric Dipole Arrays With Corporate Low-Profile Microstrip Feeding Structures. IEEE Transactions on Antennas and Propagation, 2020, 68, 7056-7067.	3.1	35
115	A Low-Loss Fan-Out Wafer-Level Package With a Novel Redistribution Layer Pattern and Its Measurement Methodology for Millimeter-Wave Application. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2020, 10, 1073-1078.	1.4	7
116	OTA-Based Data Acquisition and Signal Separation for Digital Predistortion of Multi-User MIMO Transmitters in 5G. , 2020, , .		3
117	A 143.2-168.8-GHz signal source with 5.6 dBm peak output power in a 130-nm SiGe BiCMOS process. Science China Information Sciences, 2020, 63, 1.	2.7	2
118	A 250-GHz Differential SiGe Amplifier With 21.5-dB Gain for Sub-THz Transmitters. IEEE Transactions on Terahertz Science and Technology, 2020, 10, 624-633.	2.0	25
119	Double-Layer Machine Learning Assisted optimization for Antenna Sensitivity Analysis. , 2020, , .		3
120	Compact Millimeter-Wave Endfire Dual-Polarized Antenna Array for Low-Cost Multibeam Applications. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 2526-2530.	2.4	44
121	Design and Implementation of a Wideband Antenna Subarray for Phased-Array Applications. IEEE Transactions on Antennas and Propagation, 2020, 68, 6059-6068.	3.1	5
122	Machine-learning-assisted optimization and its application to antenna designs: Opportunities and challenges. China Communications, 2020, 17, 152-164.	2.0	41
123	A Low-Profile Beamforming Patch Array With a Cosecant Fourth Power Pattern for Millimeter-Wave Synthetic Aperture Radar Applications. IEEE Transactions on Antennas and Propagation, 2020, 68, 6486-6496.	3.1	25
124	Characterization and Design of Wideband Penta- and Hepta-Resonance SIW Elliptical Cavity-Backed Slot Antennas. IEEE Access, 2020, 8, 111987-111994.	2.6	7
125	One-bit Programmable Metasurface for Enhanced Wireless MIMO Systems. , 2020, , .		0
126	Low-Cost Millimeter-Wave Circularly Polarized Planar Integrated Magneto-Electric Dipole and Its Arrays With Low-Profile Feeding Structures. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1400-1404.	2.4	37

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127	Aperiodic Sunflower-Like Metasurface for Diffusive Scattering and RCS Reduction. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1048-1052.	2.4	34
128	Design and Implementation of a Full-Digital Beamforming Array With Nonreciprocal Tx/Rx Beam Patterns. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1978-1982.	2.4	19
129	Single-Beam 1 Bit Reflective Metasurface Using Prephased Unit Cells for Normally Incident Plane Waves. IEEE Transactions on Antennas and Propagation, 2020, 68, 5496-5504.	3.1	25
130	A N260 Band 64 Channel Millimeter Wave Full-Digital Multi-Beam Array for 5G Massive MIMO Applications. IEEE Access, 2020, 8, 47640-47653.	2.6	24
131	Linear-Decomposition Digital Predistortion of Power Amplifiers for 5G Ultrabroadband Applications. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 2833-2844.	2.9	14
132	Anisotropic Impedance Surface-Enabled Low-Profile Broadband Dual-Circularly Polarized Multibeam Reflectarrays for Ka -Band Applications. IEEE Transactions on Antennas and Propagation, 2020, 68, 6441-6446.	3.1	33
133	A Concise and Efficient MLFMA Scheme for Electromagnetic Surface Integral Equations From Dielectric Objects. IEEE Access, 2020, , 1-1.	2.6	0
134	Low-Profile Wideband Vertically Folded Slotted Circular Patch Array for Ka -Band Applications. IEEE Transactions on Antennas and Propagation, 2020, 68, 6844-6849.	3.1	37
135	A W-Band 6-Bit Phase Shifter With 7 dB Gain and 1.35° RMS Phase Error in 130 nm SiGe BiCMOS. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 1839-1843.	2.2	19
136	Ungrounded Coplanar Waveguide Based Straight Line Methods for Broadband and Continuous Dielectric Characterization of Microwave Substrates. IEEE Access, 2020, 8, 32624-32631.	2.6	6
137	A 273.5 GHz 312-GHz Signal Source With 2.3 dBm Peak Output Power in a 130-nm SiGe BiCMOS Process. IEEE Transactions on Terahertz Science and Technology, 2020, 10, 260-270.	2.0	8
138	Wide Stopband Substrate Integrated Waveguide Filter Implemented by Orthogonal Ports™ Offset. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 964-970.	2.9	30
139	Transformer matched gilbert mixer with active balun for D band transmitter. Microwave and Optical Technology Letters, 2020, 62, 2696-2702.	0.9	2
140	Wideband high-gain $\pm 45^\circ$ dual-polarised stacked patch antenna array for Ku -band backhaul services. IET Microwaves, Antennas and Propagation, 2020, 14, 53-59.	0.7	4
141	A Wideband Low-Profile Efficiency-Improved Transmitarray Antenna With Over-1-bit Phase-Shifting Elements. IEEE Access, 2020, 8, 32163-32169.	2.6	14
142	Multistage Collaborative Machine Learning and its Application to Antenna Modeling and Optimization. IEEE Transactions on Antennas and Propagation, 2020, 68, 3397-3409.	3.1	80
143	Low-Profile and Wideband Dual-Circularly Polarized Reflect-Arrays Based on Rotated Metal-Backed Dual-Polarized Aperture-Coupled Patch Elements. IEEE Transactions on Antennas and Propagation, 2020, 68, 2108-2117.	3.1	33
144	Design of Single-Layer Circularly Polarized Reflectarray With Efficient Beam Scanning. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1002-1006.	2.4	24

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145	A Novel Probe Selection Method for MIMO OTA Performance Testing. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 2359-2362.	2.4	7
146	A 150-GHz Transmitter With 12-dBm Peak Output Power Using 130-nm SiGe:C BiCMOS Process. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 3056-3067.	2.9	20
147	Recent Development of Microwave and Millimeter-Wave Dual-Circularly-Polarized Arrays. , 2020, , .		1
148	Broadband Measurement of Substrate Complex Permittivity Using Optimized ABCD Matrix. IEEE Access, 2020, 8, 224513-224521.	2.6	5
149	Reply to Comments on "Broadband Symmetrical E-Shaped Patch Antenna With Multimode Resonance for 5G Millimeter-Wave Applications". IEEE Transactions on Antennas and Propagation, 2020, 68, 1220-1220.	3.1	0
150	Empirical Analysis of Millimeter-Wave Propagation in Indoor Transitional Environments. , 2020, , .		0
151	Variable-Fidelity Surrogate Model-Based Machine Learning-Assisted Optimization and Its Application to Worst-Case Performance Searching of Antennas. , 2020, , .		0
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725	Analysis of Nonuniform Coupled Transmission Lines using Generalized Transmission Line Equations. , 0, , .		5
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728	Design of Differential Vias in High Speed Digital Circuit. , 0, , .		0
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730	Design of Synchronization Sequences in a MIMO Demonstration System. , 0, , .		1
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