

Gabriel M Rebeiz

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	An Eight-Element 140-GHz Wafer-Scale IF Beamforming Phased-Array Receiver With 64-QAM Operation in CMOS RFSOI. IEEE Journal of Solid-State Circuits, 2022, 57, 385-399.	3.5	23
2	A Multi-Band 16-52-GHz Transmit Phased Array Employing 4-1 Beamforming IC With 14-15.4-dBm P_{sat} for 5G NR FR2 Operation. IEEE Journal of Solid-State Circuits, 2022, 57, 1280-1290.	3.5	19
3	A Multiband/Multistandard 15-57 GHz Receive Phased-Array Module Based on 4-1 Beamformer IC and Supporting 5G NR FR2 Operation. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 1732-1744.	2.9	19
4	High Efficiency D-Band Multiway Power Combined Amplifiers With 17.5-19-dBm P_{sat} and 14.2-12.1% Peak PAE in 45-nm CMOS RFSOI. IEEE Journal of Solid-State Circuits, 2022, 57, 1332-1343.	3.5	22
5	An Eight-Element 136-147 GHz Wafer-Scale Phased-Array Transmitter With 32 dBm Peak EIRP and >16 Gbps 16QAM and 64QAM Operation. IEEE Journal of Solid-State Circuits, 2022, 57, 1635-1648.	3.5	15
6	Wideband 23.5-29.5-GHz Phased Arrays for Multistandard 5G Applications and Carrier Aggregation. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 235-247.	2.9	48
7	A 28-GHz Full-Duplex Phased Array Front-End Using Two Cross-Polarized Arrays and a Canceller. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 1127-1135.	2.9	11
8	A 20-42-GHz IQ Receiver in 22-nm CMOS FD-SOI With 2.7-4.2-dB NF and ~25-dBm IP1dB for Wideband 5G Systems. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 4951-4960.	2.9	12
9	A 256-Element Dual-Beam Polarization-Agile SATCOM Ku-Band Phased-Array With 5-dB/K G/T. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 4986-4994.	2.9	24
10	Intersymbol Interference and Equalization for Large 5G Phased Arrays With Wide Scan Angles. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 1955-1964.	2.9	6
11	A 57.5-65.5 GHz Phased-Array Transmit Beamformer in 45 nm CMOS SOI With 5 dBm and 6.1% Linear PAE for 400 MBaud 64-QAM Waveforms. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 1772-1779.	2.9	7
12	A 256-Element Ku-Band Polarization Agile SATCOM Transmit Phased Array With Wide-Scan Angles, Low Cross Polarization, Deep Nulls, and 36.5-dBW EIRP per Polarization. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 2594-2608.	2.9	25
13	A 1024-Element Ku-Band SATCOM Dual-Polarized Receiver With >10-dB/K G/T and Embedded Transmit Rejection Filter. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 3484-3495.	2.9	36
14	Wideband Bandpass Filter for 5G Millimeter-Wave Application in 45-nm CMOS Silicon-on-Insulator. IEEE Electron Device Letters, 2021, 42, 1244-1247.	2.2	12
15	A 1024-Element Ku-Band SATCOM Phased-Array Transmitter With 45-dBW Single-Polarization EIRP. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 4157-4168.	2.9	34
16	An Eight-Element 140 GHz Wafer-Scale Phased-Array Transmitter with 32 dBm Peak EIRP and >16 Gbps 16QAM and 64QAM Operation. , 2021, , .		17
17	Limited Scan-Angle Phased Arrays Using Randomly Grouped Subarrays and Reduced Number of Phase Shifters. IEEE Transactions on Antennas and Propagation, 2020, 68, 70-80.	3.1	35
18	A Very Low Phase-Noise Transformer-Coupled Oscillator and PLL for 5G Communications in 0.12 μm SiGe BiCMOS. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 1529-1541.	2.9	25

#	ARTICLE	IF	CITATIONS
19	A Dual-Core 8-17 GHz LC VCO with Enhanced Tuning Switch-less Tertiary Winding and 208.8 dBc/Hz Peak FoM in 22nm FDSOI. , 2020, , .		10
20	A 24-29.5 GHz 256-Element 5G Phased-Array with 65.5 dBm Peak EIRP and 256-QAM Modulation. , 2020, , .		19
21	In-Situ Self-Test and Self-Calibration of Dual-Polarized 5G TRX Phased Arrays Leveraging Orthogonal-Polarization Antenna Couplings. , 2020, , .		7
22	A Multi-Standard 15-57 GHz 4-Channel Receive Beamformer with 4.8 dB Midband NF for 5G Applications. , 2020, , .		7
23	A 25-29 GHz 64-Element Dual-Polarized/Dual-Beam Small-Cell with 45 dBm 400 MHz 5G NR Operation and High Spectral Purity. , 2020, , .		6
24	2 \times 64-Element Dual-Polarized Dual-Beam Single-Aperture 28-GHz Phased Array With 2 \times 30 Gb/s Links for 5G Polarization MIMO. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 3872-3884.	2.9	68
25	A High-Power 24-40-GHz Transmit-Receive Front End for Phased Arrays in 45-nm CMOS SOI. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 4775-4786.	2.9	25
26	A 37-42-GHz 8 \times 8 Phased-Array With 48-dBm EIRP, 64-QAM 30-Gb/s Data Rates, and EVM Analysis Versus Channel RMS Errors. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 4753-4764.	2.9	45
27	A 22-44-GHz Phased-Array Receive Beamformer in 45-nm CMOS SOI for 5G Applications With 3-3.6-dB NF. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 4765-4774.	2.9	53
28	A Packaged 0.01-26-GHz Single-Chip SiGe Reflectometer for Two-Port Vector Network Analyzers. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 1794-1808.	2.9	15
29	ACPR Improvement in Large Phased Arrays With Complex Modulated Waveforms. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 1045-1053.	2.9	11
30	A Compact pMOS Stacked-SOI Distributed Power Amplifier With Over 100-GHz Bandwidth and Up to 22-dBm Saturated Output Power. IEEE Solid-State Circuits Letters, 2019, 2, 9-12.	1.3	17
31	A Tunable Single-Feed Triple-Band LTE Antenna With Harmonic Suppression. IEEE Access, 2019, 7, 104667-104672.	2.6	9
32	Analysis and Design of Wideband I/Q CMOS 100-200 Gb/s Modulators. IEEE Journal of Solid-State Circuits, 2019, 54, 2361-2374.	3.5	5
33	A 128-element 54-63 GHz 2-Dimensional Tx/Rx Phased-Array with 64-QAM/30 Gbps Communication Links. , 2019, , .		3
34	A Scalable 60 GHz Tx/Rx 2x64-Element Dual-Polarized Dual-Beam Wafer-Scale Phased-Array with Integrated Dual-Transceivers. , 2019, , .		0
35	A 24-43 GHz LNA with 3.1-3.7 dB Noise Figure and Embedded 3-Pole Elliptic High-Pass Response for 5G Applications in 22 nm FDSOI. , 2019, , .		53
36	A 62 GHz Tx/Rx 2x128-Element Dual-Polarized Dual-Beam Wafer-Scale Phased-Array Transceiver with Minimal Reticule-to-Reticule Stitching. , 2019, , .		5

#	ARTICLE	IF	CITATIONS
37	A 1 V 54-64 GHz 4-Channel Phased-Array Receiver in 45 nm RFSOI with 3.6/5.1 dB NF and -23 dBm IP1dB at 28/37 mW Per-Channel. , 2019, , .		3
38	A 0.97â€“1.53-GHz Tunable Four-Pole Bandpass Filter With Four Transmission Zeroes. IEEE Microwave and Wireless Components Letters, 2019, 29, 195-197.	2.0	30
39	Ultra-Low Cost Ku-Band Dual-Polarized Transmit and Receive Phased-Arrays for SATCOM and Point-to-Point Applications with Bandwidths up to 750 MHz. , 2019, , .		6
40	A 1 Gbps 3.5-4.75 km Communication Link Based on a 5G 28 GHz 8Ã—8 Phased-Array. , 2019, , .		4
41	A 5G 24-30 GHz 2x32 Element Dual-Polarized Dual-Beam Phased Array Base-Station for 2x2 MIMO System. , 2019, , .		4
42	Low Complexity 54â€“63-GHz Transmit/Receive 64- and 128-element 2-D-Scanning Phased-Arrays on Multilayer Organic Substrates With 64-QAM 30-Gbps Data Rates. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 5268-5281.	2.9	33
43	A 5G 28-GHz Common-Leg T/R Front-End in 45-nm CMOS SOI With 3.7-dB NF and âˆ’30-dBc EVM With 64-QAM/500-MBaud Modulation. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 318-331.	2.9	76
44	A Low-Cost Scalable 32-Element 28-GHz Phased Array Transceiver for 5G Communication Links Based on a 2×2 Beamformer Flip-Chip Unit Cell. IEEE Journal of Solid-State Circuits, 2018, 53, 1260-1274.	3.5	315
45	A W-Band LNA/Phase Shifter With 5-dB NF and 24-mW Power Consumption in 32-nm CMOS SOI. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 1973-1982.	2.9	23
46	A Near-Zero-Power Wake-Up Receiver Achieving âˆ’69-dBm Sensitivity. IEEE Journal of Solid-State Circuits, 2018, 53, 1640-1652.	3.5	101
47	Interwoven Feeding Networks With Aperture Sinc-Distribution for Limited-Scan Phased Arrays and Reduced Number of Phase Shifters. IEEE Transactions on Antennas and Propagation, 2018, 66, 2401-2413.	3.1	22
48	A DC-60 GHz I/Q Modulator in 45 nm SOI CMOS for Ultra-Wideband 5G Radios. , 2018, , .		1
49	28 GHz 5G-Based Phased-Arrays for UAV Detection and Automotive Traffic-Monitoring Radars. , 2018, , .		28
50	A scalable 64-element 28 ghz phased-array transceiver with 50 dbm eirp and 8-12 gbps 5g link at 300 meters without any calibration. , 2018, , .		22
51	An 8-Way Combined E-Band Power Amplifier with 24 dBm Psat and 12% PAE in 0.12 Î¼m SiGe. , 2018, , .		3
52	A 4-Channel 10â€“40 GHz Wideband Receiver with Integrated Frequency Quadrupler for High Resolution Millimeter-Wave Imaging Systems. , 2018, , .		7
53	Intermodulation Effects and System Sensitivity Degradation in \mathcal{C} Phased-Arrays due to Multiple Interferers. , 2018, , .		1
54	Linearity and Efficiency Improvements in Phased-Array Transmitters with Large Number of Elements and Complex Modulation. , 2018, , .		4

#	ARTICLE	IF	CITATIONS
55	A 64-Element 28-GHz Phased-Array Transceiver With 52-dBm EIRP and 12-Gb/s 5G Link at 300 Meters Without Any Calibration. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 5796-5811.	2.9	220
56	Third-Order Intermodulation Effects and System Sensitivity Degradation in Receive-Mode 5G Phased Arrays in the Presence of Multiple Interferers. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 5780-5795.	2.9	24
57	A 9.4-11.7 GHz VCO in 0.12 μm SiGe BiCMOS with 123 dBc/Hz Phase Noise at 1 MHz Offset for 5G Systems. , 2018, , .		8
58	A 35-105 GHz High Image-Rejection-Ratio IQ Receiver with Integrated LO Doubler and 40 dB IRR. , 2018, , .		7
59	A π -Band Digital Transmitter with 64-QAM and OFDM Free-Space Constellation Formation. IEEE Journal of Solid-State Circuits, 2018, 53, 2012-2022.	3.5	28
60	Authors' Reply to Comments on 1.03-GHz Tunable Bandpass Filter With a Reconfigurable 2/3/4-Pole Response. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 4226-4226.	2.9	0
61	Bandpass-to-Bandstop Reconfigurable Tunable Filters with Frequency and Bandwidth Controls. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 2288-2297.	2.9	47
62	W-Band Direct-Modulation 20-Gb/s Transmit and Receive Building Blocks in 32-nm SOI CMOS. IEEE Journal of Solid-State Circuits, 2017, 52, 2277-2291.	3.5	25
63	Interwoven feeding networks for limited-scan phased array systems. , 2017, , .		0
64	A 28 GHz transceiver chip for 5G beamforming data links in SiGe BiCMOS. , 2017, , .		24
65	A 64 GHz 2 Gbps transmit/receive phased-array communication link in SiGe with 300 meter coverage. , 2017, , .		9
66	A 1.9-2.6GHz filter with both bandpass-to-bandstop reconfigurable function and bandpass-and-bandstop cascading function. , 2017, , .		6
67	A 15 GHz stacked I/Q modulator with 19 dBm OP1dB and 30 dBm OIP3 in 45 nm SOI CMOS. , 2017, , .		0
68	A Low-Power 136-GHz SiGe Total Power Radiometer With NETD of 0.25 K. IEEE Transactions on Microwave Theory and Techniques, 2016, , 1-9.	2.9	17
69	A 1.26-3.3 GHz Tunable Triplexer With Compact Size and Constant Bandwidth. IEEE Microwave and Wireless Components Letters, 2016, 26, 786-788.	2.0	14
70	Investigations on the Use of Multiple Unique Radiating Modes for 2-D Beam Steering. IEEE Transactions on Antennas and Propagation, 2016, 64, 4659-4670.	3.1	7
71	A 100-300-GHz Free-Space Scalar Network Analyzer Using Compact Tx and Rx Modules. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 4021-4029.	2.9	10
72	A 60 GHz 64-element phased-array beam-pointing communication system for 5G 100 meter links up to 2 Gbps. , 2016, , .		21

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73	A low-power SiGe D-band total power radiometer with NEP _{min} of 1.4 fW/Hz ^{1/2} and NETD of 0.25K. , 2016, , .		1
74	Random Feeding Networks for Reducing the Number of Phase Shifters in Limited-Scan Arrays. IEEE Transactions on Antennas and Propagation, 2016, 64, 4648-4658.	3.1	58
75	60-GHz 64- and 256-Elements Wafer-Scale Phased-Array Transmitters Using Full-Reticle and Subreticle Stitching Techniques. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 4701-4719.	2.9	132
76	An Eight-Element 2-16-GHz Programmable Phased Array Receiver With One, Two, or Four Simultaneous Beams in SiGe BiCMOS. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 4585-4597.	2.9	67
77	A 2-15 GHz built-in-self-test system for wide-band phased arrays using self-correcting 8-state I/Q mixers. , 2016, , .		2
78	A 2-15-GHz Accurate Built-in-Self-Test System for Wideband Phased Arrays Using Self-Correcting Eight-State I/Q Mixers. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 4250-4261.	2.9	22
79	An Eight-Element 370-410-GHz Phased-Array Transmitter in 45-nm CMOS SOI With Peak EIRP of 8-8.5 dBm. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 4241-4249.	2.9	88
80	A 70-80-GHz SiGe Amplifier With Peak Output Power of 27.3 dBm. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 2039-2049.	2.9	37
81	A SiGe Multiplier Array With Output Power of 5-8 dBm at 200-230 GHz. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 2050-2058.	2.9	31
82	A Simple and Effective Method for 1.9-3.4-GHz Tunable Diplexer With Compact Size and Constant Fractional Bandwidth. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 436-449.	2.9	38
83	Tunable 500-1200-MHz Dual-Band and Wide Bandwidth Notch Filters Using RF Transformers. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 1854-1862.	2.9	24
84	A Novel Approach to Beam Steering Using Arrays Composed of Multiple Unique Radiating Modes. IEEE Transactions on Antennas and Propagation, 2015, 63, 2932-2945.	3.1	20
85	A 60 GHz single-chip 256-element wafer-scale phased array with EIRP of 45 dBm using sub-reticle stitching. , 2015, , .		26
86	A 1.1-Gbit/s 10-GHz Outphasing Modulator With 23-dBm Output Power and 60-dB Dynamic Range in 45-nm CMOS SOI. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 2289-2300.	2.9	12
87	A 1.4-2.3-GHz Tunable Diplexer Based on Reconfigurable Matching Networks. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 1595-1602.	2.9	35
88	Tunable 4-Pole Noncontiguous 0.7-2.1-GHz Bandpass Filters Based on Dual Zero-Value Couplings. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 1579-1586.	2.9	25
89	Tunable 1.25-2.1-GHz 4-Pole Bandpass Filter With Intrinsic Transmission Zero Tuning. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 1569-1578.	2.9	52
90	Tunable 4-Pole Dual-Notch Filters for Cognitive Radios and Carrier Aggregation Systems. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 1308-1314.	2.9	19

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91	Transmission of Signals With Complex Constellations Using Millimeter-Wave Spatially Power-Combined CMOS Power Amplifiers and Digital Predistortion. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 2364-2374.	2.9	25
92	Millimeter-wave large-scale phased-arrays for 5G systems. , 2015, , .		16
93	A High Power Stress-Gradient Resilient RF MEMS Capacitive Switch. Journal of Microelectromechanical Systems, 2015, 24, 599-607.	1.7	25
94	Compact Self-Shielded 2.3 GHz High-Q Coaxial Fixed and Tunable Filters. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 3370-3379.	2.9	20
95	A 110-134-GHz SiGe Amplifier With Peak Output Power of 100-120 mW. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 2990-3000.	2.9	68
96	A 0.3 THz 4 × 4 cold-FET imaging array in 45 nm CMOS SOI. , 2014, , .		7
97	Wafer-Scale Millimeter-Wave Phased-Array RFICs. , 2014, , .		5
98	Millimeter-wave SiGe RFICs for large-scale phased-arrays. , 2014, , .		2
99	Two- and Four-Pole Tunable 0.7-1.1-GHz Bandpass-to-Bandstop Filters With Bandwidth Control. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 457-463.	2.9	85
100	0.73-1.03-GHz Tunable Bandpass Filter With a Reconfigurable 2/3/4-Pole Response. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 290-296.	2.9	38
101	A 1.6 × 2.7 GHz tunable dual-band 4G-LTE antenna for carrier aggregation. , 2014, , .		2
102	A 0.65 × 1 GHz tunable dual-band 4G-LTE antenna for carrier aggregation. , 2014, , .		0
103	A 135 × 160 GHz balanced frequency doubler in 45 nm CMOS with 3.5 dBm peak power. , 2014, , .		10
104	Extreme silicon RFICs for phased-array applications. , 2014, , .		0
105	0.7-1.0-GHz Reconfigurable Bandpass-to-Bandstop Filter With Selectable 2- and 4-Pole Responses. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 2626-2632.	2.9	44
106	A 77-81-GHz 16-Element Phased-Array Receiver With $\pm 5^\circ$ Beam Scanning for Advanced Automotive Radars. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 2823-2832.	2.9	241
107	Authors' Reply to "Comments on "A Quasi Elliptic Function 1.75-2.25 GHz 3-Pole Bandpass Filter With Bandwidth Control" IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 2844-2844.	2.9	0
108	A High-Linearity 76-85-GHz 16-Element 8-Transmit/8-Receive Phased-Array Chip With High Isolation and Flip-Chip Packaging. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 2337-2356.	2.9	72

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109	X- and K-Band SiGe HBT LNAs With 1.2- and 2.2-dB Mean Noise Figures. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 2381-2389.	2.9	93
110	45-nm CMOS SOI Technology Characterization for Millimeter-Wave Applications. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 1301-1311.	2.9	80
111	Compact High-Power SPST and SP4T RF MEMS Metal-Contact Switches. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 297-305.	2.9	38
112	Compact tunable 2.1–2.9 GHz band-pass filter using a novel vertical stepped-impedance resonator. , 2014, , .		1
113	A 108–114 GHz 4&#ximes;4 Wafer-Scale Phased Array Transmitter With High-Efficiency On-Chip Antennas. IEEE Journal of Solid-State Circuits, 2013, 48, 2041-2055.	3.5	102
114	75–85 GHz flip-chip phased array RFIC with simultaneous 8-transmit and 8-receive paths for automotive radar applications. , 2013, , .		13
115	A 90 - 100-GHz 4 x 4 SiGe BiCMOS Polarimetric Transmit/Receive Phased Array With Simultaneous Receive-Beams Capabilities. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 3099-3114.	2.9	157
116	A High-Power Packaged Four-Element X-Band Phased-Array Transmitter in $0.13\text{-}\mu\text{m}$ CMOS for Radar and Communication Systems. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 3060-3071.	2.9	46
117	A 0.32 THz SiGe 4x4 Imaging Array Using High-Efficiency On-Chip Antennas. IEEE Journal of Solid-State Circuits, 2013, 48, 2056-2066.	3.5	95
118	A 76–84-GHz 16-Element Phased-Array Receiver With a Chip-Level Built-In Self-Test System. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 3083-3098.	2.9	87
119	A 90–100-GHz Phased-Array Transmit/Receive Silicon RFIC Module With Built-In Self-Test. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 3774-3782.	2.9	48
120	Three-Pole 1.3–2.4-GHz Diplexer and 1.1–2.45-GHz Dual-Band Filter With Common Resonator Topology and Flexible Tuning Capabilities. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 3613-3624.	2.9	55
121	A 640–1030 MHz four-pole tunable filter with improved stopband rejection and controllable bandwidth and transmission zeros. , 2013, , .		6
122	A 0.39–0.44 THz 2x4 Amplifier-Quadrupler Array With Peak EIRP of 3–4 dBm. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 4483-4491.	2.9	74
123	Overview of two enabling technologies which can change our world: Millimeter/THz silicon RFICs, and RF MEMS (and SOT/SOS) tunable networks. , 2013, , .		0
124	A 200-245 GHz Balanced Frequency Doubler with Peak Output Power of +2 dBm. , 2013, , .		28
125	A SiGe BiCMOS W-Band LNA with 5.1 dB NF at 90 GHz. , 2013, , .		21
126	An Electronically-Scanned 1.8–2.1 GHz Base-Station Antenna Using Packaged High-Reliability RF MEMS Phase Shifters. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 979-985.	2.9	30

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127	High-Power RF MEMS Switched Capacitors Using a Thick Metal Process. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 455-463.	2.9	16
128	A 2-Bit, 24 dBm, Millimeter-Wave SOI CMOS Power-DAC Cell for Watt-Level High-Efficiency, Fully Digital m-ary QAM Transmitters. IEEE Journal of Solid-State Circuits, 2013, 48, 1126-1137.	3.5	59
129	Tunable 1.55-2.1 GHz 4-Pole Elliptic Bandpass Filter With Bandwidth Control and ≥ 50 dB Rejection for Wireless Systems. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 117-124.	2.9	81
130	A Low-Noise 150-210 GHz Detector in 45 nm CMOS SOI. IEEE Microwave and Wireless Components Letters, 2013, 23, 309-311.	2.0	14
131	A miniature RF MEMS metal-contact switch with high biaxial and stress-gradient tolerance. , 2012, , .		0
132	An RF-MEMS switch for high-power applications. , 2012, , .		8
133	A Low-Power BiCMOS 4-Element Phased Array Receiver for 76-84 GHz Radars and Communication Systems. IEEE Journal of Solid-State Circuits, 2012, 47, 359-367.	3.5	64
134	A 76-84 GHz 16-element phased array receiver with a chip-level built-in-self-test system. , 2012, , .		17
135	A 4-element X-band CMOS phased-array RFIC in a QFN package. , 2012, , .		2
136	A 65 GHz LNA/Phase Shifter With 4.3 dB NF Using 45 nm CMOS SOI. IEEE Microwave and Wireless Components Letters, 2012, 22, 530-532.	2.0	77
137	140-220 GHz SPST and SPDT Switches in 45 nm CMOS SOI. IEEE Microwave and Wireless Components Letters, 2012, 22, 412-414.	2.0	63
138	High-efficiency elliptical-slot silicon RFIC antenna with quartz superstrate. , 2012, , .		5
139	High-Efficiency Elliptical Slot Antennas With Quartz Superstrates for Silicon RFICs. IEEE Transactions on Antennas and Propagation, 2012, 60, 5010-5020.	3.1	64
140	A High-Reliability High-Linearity High-Power RF MEMS Metal-Contact Switch for DC-40-GHz Applications. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 3096-3112.	2.9	100
141	S-Band Amplifiers With 6-dB Noise Figure and Milliwatt-Level 170-200-GHz Doublers in 45-nm CMOS. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 692-701.	2.9	112
142	High-Q 3/4 b RF MEMS Digitally Tunable Capacitors for 0.8-3 GHz Applications. IEEE Microwave and Wireless Components Letters, 2012, 22, 394-396.	2.0	10
143	60 GHz active phase shifter using an optimized quadrature all-pass network in 45nm CMOS. , 2012, , .		8
144	An Improved Wideband All-Pass I/Q Network for Millimeter-Wave Phase Shifters. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 3431-3439.	2.9	148

#	ARTICLE	IF	CITATIONS
145	A 108–112 GHz 4×4 wafer-scale phased array transmitter with high-efficiency on-chip antennas. , 2012, , .		5
146	A 44–46-GHz 16-Element SiGe BiCMOS High-Linearity Transmit/Receive Phased Array. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 730-742.	2.9	110
147	High power (> 10 W) RF MEMS switched capacitors. , 2012, , .		2
148	Design and Analysis of a Low-Power 3–6-Gb/s 55-GHz OOK Receiver With High-Temperature Performance. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 3263-3271.	2.9	22
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150	Differential Microstrip and Slot-Ring Antennas for Millimeter-Wave Silicon Systems. IEEE Transactions on Antennas and Propagation, 2012, 60, 2611-2619.	3.1	39
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