

Gabriel M Rebeiz

List of Publications by Year in descending order

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5357
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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | 0.13- μm CMOS Phase Shifters for X-, Ku-, and K-Band Phased Arrays. IEEE Journal of Solid-State Circuits, 2007, 42, 2535-2546. | 3.5 | 330 |
| 2 | 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 |
| 3 | Tuning in to RF MEMS. IEEE Microwave Magazine, 2009, 10, 55-72. | 0.7 | 267 |
| 4 | A 77-GHz 16-Element Phased-Array Receiver With 50° Beam Scanning for Advanced Automotive Radars. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 2823-2832. | 2.9 | 241 |
| 5 | 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 |
| 6 | Single-Ended and Differential Ka-Band BiCMOS Phased Array Front-Ends. IEEE Journal of Solid-State Circuits, 2008, 43, 2239-2250. | 3.5 | 178 |
| 7 | Design and Characterization of W-Band SiGe RFICs for Passive Millimeter-Wave Imaging. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 1420-1430. | 2.9 | 176 |
| 8 | Low-Loss Two-Pole Tunable Filters With Three Different Predefined Bandwidth Characteristics. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 1137-1148. | 2.9 | 157 |
| 9 | 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 |
| 10 | 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 |
| 11 | High-Gain Yagi-Uda Antennas for Millimeter-Wave Switched-Beam Systems. IEEE Transactions on Antennas and Propagation, 2009, 57, 3672-3676. | 3.1 | 145 |
| 12 | An X- and Ku-Band 8-Element Phased-Array Receiver in 0.18- μm SiGe BiCMOS Technology. IEEE Journal of Solid-State Circuits, 2008, 43, 1360-1371. | 3.5 | 144 |
| 13 | Single and Four-Element Ka-Band Transmit/Receive Phased-Array Silicon RFICs With 5-bit Amplitude and Phase Control. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 3534-3543. | 2.9 | 138 |
| 14 | A Millimeter-Wave (40-45 GHz) 16-Element Phased-Array Transmitter in 0.18- μm SiGe BiCMOS Technology. IEEE Journal of Solid-State Circuits, 2009, 44, 1498-1509. | 3.5 | 132 |
| 15 | 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 |
| 16 | An 8 \times 8 Butler Matrix in 0.13- μm CMOS for 6-GHz Multibeam Applications. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 295-301. | 2.9 | 130 |
| 17 | High-Efficiency Angled-Dipole Antennas for Millimeter-Wave Phased Array Applications. IEEE Transactions on Antennas and Propagation, 2008, 56, 3136-3142. | 3.1 | 123 |
| 18 | W-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 |

| # | ARTICLE | IF | CITATIONS |
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| 19 | A Tunable Three-Pole 1.5–2.2-GHz Bandpass Filter With Bandwidth and Transmission Zero Control. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 2872-2878. | 2.9 | 110 |
| 20 | 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 |
| 21 | A Phased Array RFIC With Built-In Self-Test Capabilities. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 139-148. | 2.9 | 110 |
| 22 | High-Q RF-MEMS 4–6-GHz Tunable Evanescent-Mode Cavity Filter. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 381-389. | 2.9 | 105 |
| 23 | A 108–114 GHz 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 |
| 24 | A Near-Zero-Power Wake-Up Receiver Achieving ~ 69 -dBm Sensitivity. IEEE Journal of Solid-State Circuits, 2018, 53, 1640-1652. | 3.5 | 101 |
| 25 | Single- and Dual-Polarized Tunable Slot-Ring Antennas. IEEE Transactions on Antennas and Propagation, 2009, 57, 19-26. | 3.1 | 100 |
| 26 | 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 |
| 27 | Corrugated Microstrip Coupled Lines for Constant Absolute Bandwidth Tunable Filters. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 956-963. | 2.9 | 97 |
| 28 | A 22–24 GHz 4-Element CMOS Phased Array With On-Chip Coupling Characterization. IEEE Journal of Solid-State Circuits, 2008, 43, 2134-2143. | 3.5 | 95 |
| 29 | 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 |
| 30 | High-Performance 1.5–2.5-GHz RF-MEMS Tunable Filters for Wireless Applications. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 1629-1637. | 2.9 | 94 |
| 31 | 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 |
| 32 | 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 |
| 33 | 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 |
| 34 | S-Band Low-Loss and High-Isolation Switch Design in 0.13- μm CMOS. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 1364-1371. | 2.9 | 86 |
| 35 | 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 |
| 36 | A 10–50-GHz CMOS Distributed Step Attenuator With Low Loss and Low Phase Imbalance. IEEE Journal of Solid-State Circuits, 2007, 42, 2547-2554. | 3.5 | 84 |

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| 37 | Miniature Four-Way and Two-Way 24 GHz Wilkinson Power Dividers in 0.13 μm CMOS. IEEE Microwave and Wireless Components Letters, 2007, 17, 658-660. | 2.0 | 83 |
| 38 | Tunable 1.55–2.1 GHz 4-Pole Elliptic Bandpass Filter With Bandwidth Control and $> 50\text{-dB}$ Rejection for Wireless Systems. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 117-124. | 2.9 | 81 |
| 39 | 45-nm CMOS SOI Technology Characterization for Millimeter-Wave Applications. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 1301-1311. | 2.9 | 80 |
| 40 | Differentially-Fed Millimeter-Wave Yagi-Uda Antennas With Folded Dipole Feed. IEEE Transactions on Antennas and Propagation, 2010, 58, 966-969. | 3.1 | 79 |
| 41 | High-Reliability Miniature RF-MEMS Switched Capacitors. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 971-981. | 2.9 | 78 |
| 42 | 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 |
| 43 | Millimeter-Wave Wafer-Scale Silicon BiCMOS Power Amplifiers Using Free-Space Power Combining. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 954-965. | 2.9 | 76 |
| 44 | A 5G 28-GHz Common-Leg T/R Front-End in 45-nm CMOS SOI With 3.7-dB NF and $\sim 30\text{-dBc}$ EVM With 64-QAM/500-MBaud Modulation. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 318-331. | 2.9 | 76 |
| 45 | A Two-Pole Two-Zero Tunable Filter With Improved Linearity. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 830-839. | 2.9 | 75 |
| 46 | Compact Low-Loss Tunable X -Band Bandstop Filter With Miniature RF-MEMS Switches. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 1887-1895. | 2.9 | 74 |
| 47 | A 0.39–0.44 THz 2x4 Amplifier-Quadrupler Array With Peak EIRP of $3\text{--}4$ dBm. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 4483-4491. | 2.9 | 74 |
| 48 | Miniature MEMS Switches for RF Applications. Journal of Microelectromechanical Systems, 2011, 20, 1324-1335. | 1.7 | 72 |
| 49 | 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 |
| 50 | A Quasi Elliptic Function 1.75–2.25 GHz 3-Pole Bandpass Filter With Bandwidth Control. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 244-249. | 2.9 | 71 |
| 51 | 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 |
| 52 | 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 |
| 53 | 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 |
| 54 | A 25–75-MHz RF MEMS Tunable Filter. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 2399-2405. | 2.9 | 65 |

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| 55 | Low-Loss 4â€“6-GHz Tunable Filter With 3-Bit High- Q Orthogonal Bias RF-MEMS Capacitance Network. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 2348-2355. | 2.9 | 64 |
| 56 | A Low-Power BiCMOS 4-Element Phased Array Receiver for 76â€“84 GHz Radars and Communication Systems. IEEE Journal of Solid-State Circuits, 2012, 47, 359-367. | 3.5 | 64 |
| 57 | High-Efficiency Elliptical Slot Antennas With Quartz Superstrates for Silicon RFICs. IEEE Transactions on Antennas and Propagation, 2012, 60, 5010-5020. | 3.1 | 64 |
| 58 | 140â€“220 GHz SPST and SPDT Switches in 45 nm CMOS SOI. IEEE Microwave and Wireless Components Letters, 2012, 22, 412-414. | 2.0 | 63 |
| 59 | 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 |
| 60 | 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 |
| 61 | Three-Pole 1.3â€“2.4-GHz Diplexer and 1.1â€“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 |
| 62 | 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 |
| 63 | A 22â€“44-GHz Phased-Array Receive Beamformer in 45-nm CMOS SOI for 5G Applications With 3â€“3.6-dB NF. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 4765-4774. | 2.9 | 53 |
| 64 | Tunable 1.25â€“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 |
| 65 | A Ku -Band Two-Antenna Four-Simultaneous Beams SiGe BiCMOS Phased Array Receiver. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 771-780. | 2.9 | 51 |
| 66 | Lumped-Element Fully Tunable Bandstop Filters for Cognitive Radio Applications. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 2461-2468. | 2.9 | 50 |
| 67 | A High-Linearity X -Band Four-Element Phased-Array Receiver: CMOS Chip and Packaging. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 2064-2072. | 2.9 | 50 |
| 68 | Dual-Polarized Sinuous Antennas on Extended Hemispherical Silicon Lenses. IEEE Transactions on Antennas and Propagation, 2012, 60, 4082-4091. | 3.1 | 50 |
| 69 | A 90â€“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 |
| 70 | Wideband 23.5â€“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 |
| 71 | On-Chip Slot-Ring and High-Gain Horn Antennas for Millimeter-Wave Wafer-Scale Silicon Systems. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 1963-1972. | 2.9 | 47 |
| 72 | 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 |

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|----|---|-----|-----------|
| 73 | A 4-18-GHz reconfigurable RF MEMS matching network for power amplifier applications. International Journal of RF and Microwave Computer-Aided Engineering, 2004, 14, 356-372. | 0.8 | 46 |
| 74 | RF MEMS Metal-Contact Switches With mN-Contact and Restoring Forces and Low Process Sensitivity. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 1230-1237. | 2.9 | 46 |
| 75 | 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 |
| 76 | A 37-42-GHz 8-Element 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 |
| 77 | Ka-Band SiGe HBT Low Noise Amplifier Design for Simultaneous Noise and Input Power Matching. IEEE Microwave and Wireless Components Letters, 2007, 17, 891-893. | 2.0 | 44 |
| 78 | 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 |
| 79 | A High-Power Temperature-Stable Electrostatic RF MEMS Capacitive Switch Based on a Thermal Buckle-Beam Design. Journal of Microelectromechanical Systems, 2010, 19, 816-826. | 1.7 | 43 |
| 80 | High-Q 4-6-GHz Suspended Stripline RF MEMS Tunable Filter With Bandwidth Control. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 2469-2476. | 2.9 | 42 |
| 81 | A Q-Band Four-Element Phased-Array Front-End Receiver With Integrated Wilkinson Power Combiners in $0.18\text{-}\mu\text{m}$ SiGe BiCMOS Technology. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 2046-2053. | 2.9 | 39 |
| 82 | Differential Microstrip and Slot-Ring Antennas for Millimeter-Wave Silicon Systems. IEEE Transactions on Antennas and Propagation, 2012, 60, 2611-2619. | 3.1 | 39 |
| 83 | Ka-Band SiGe HBT Low Phase Imbalance Differential 3-Bit Variable Gain LNA. IEEE Microwave and Wireless Components Letters, 2008, 18, 272-274. | 2.0 | 38 |
| 84 | 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 |
| 85 | 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 |
| 86 | 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 |
| 87 | 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 |
| 88 | Silicon RFICs for phased arrays. IEEE Microwave Magazine, 2009, 10, 96-103. | 0.7 | 36 |
| 89 | A 1024-Element Ku-Band SATCOM Dual-Polarized Receiver With $>10\text{-dB/K}$ G/T and Embedded Transmit Rejection Filter. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 3484-3495. | 2.9 | 36 |
| 90 | 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 |

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| 91 | 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 |
| 92 | A 40-50-GHz SiGe 1 : 8 differential power divider using shielded broadside-coupled striplines. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 1575-1581. | 2.9 | 34 |
| 93 | 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 |
| 94 | Low Complexity 54-63-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 |
| 95 | Higher Order Cochlea-Like Channelizing Filters. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 1675-1683. | 2.9 | 32 |
| 96 | A Shallow Varactor-Tuned Cavity-Backed Slot Antenna With a 1.9:1 Tuning Range. IEEE Transactions on Antennas and Propagation, 2010, 58, 633-639. | 3.1 | 32 |
| 97 | A 3 G-Bit/s W-band SiGe ASK receiver with a high-efficiency on-chip electromagnetically-coupled antenna. , 2010, , . | | 31 |
| 98 | 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 |
| 99 | 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 |
| 100 | A 0.97-1.53-GHz Tunable Four-Pole Bandpass Filter With Four Transmission Zeroes. IEEE Microwave and Wireless Components Letters, 2019, 29, 195-197. | 2.0 | 30 |
| 101 | Thin-Film Aluminum RF MEMS Switched Capacitors With Stress Tolerance and Temperature Stability. Journal of Microelectromechanical Systems, 2011, 20, 193-203. | 1.7 | 28 |
| 102 | A 200-245 GHz Balanced Frequency Doubler with Peak Output Power of +2 dBm. , 2013, , . | | 28 |
| 103 | 28 GHz 5G-Based Phased-Arrays for UAV Detection and Automotive Traffic-Monitoring Radars. , 2018, , . | | 28 |
| 104 | A D-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 |
| 105 | RF MEMS impedance tuners for 6-24 GHz applications. International Journal of RF and Microwave Computer-Aided Engineering, 2007, 17, 265-278. | 0.8 | 27 |
| 106 | High-Reliability RF-MEMS Switched Capacitors With Digital and Analog Tuning Characteristics. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 2692-2701. | 2.9 | 27 |
| 107 | A 60 GHz single-chip 256-element wafer-scale phased array with EIRP of 45 dBm using sub-reticle stitching. , 2015, , . | | 26 |
| 108 | Cochlea-Based RF Channelizing Filters. IEEE Transactions on Circuits and Systems I: Regular Papers, 2008, 55, 969-979. | 3.5 | 25 |

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| 109 | A 4-channel 24–27 GHz CMOS differential phased-array receiver. , 2009, , . | | 25 |
| 110 | RF MEMS Capacitive Switches for Wide Temperature Range Applications Using a Standard Thin-Film Process. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 1746-1752. | 2.9 | 25 |
| 111 | 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 |
| 112 | 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 |
| 113 | A High Power Stress-Gradient Resilient RF MEMS Capacitive Switch. Journal of Microelectromechanical Systems, 2015, 24, 599-607. | 1.7 | 25 |
| 114 | {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 |
| 115 | A Very Low Phase-Noise Transformer-Coupled Oscillator and PLL for 5G Communications in 0.12 μ m SiGe BiCMOS. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 1529-1541. | 2.9 | 25 |
| 116 | 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 |
| 117 | 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 |
| 118 | RF MEMS, BST, and GaAs varactor system-level response in complex modulation systems. International Journal of RF and Microwave Computer-Aided Engineering, 2008, 18, 86-98. | 0.8 | 24 |
| 119 | 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 |
| 120 | A 28 GHz transceiver chip for 5G beamforming data links in SiGe BiCMOS. , 2017, , . | | 24 |
| 121 | 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 |
| 122 | A 256-Element Dual-Beam Polarization-Agile SATCOM <i>Ku</i>-Band Phased-Array With 5-dB/K G/T. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 4986-4994. | 2.9 | 24 |
| 123 | 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 |
| 124 | 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 |
| 125 | Design and Analysis of a Low-Power 3–6-Cb/s 55-GHz OOK Receiver With High-Temperature Performance. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 3263-3271. | 2.9 | 22 |
| 126 | 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 |

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| 127 | 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 |
| 128 | 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 |
| 129 | High Efficiency ν -Band Multiway Power Combined Amplifiers With 17.5-dBm Psat and 14.2% Peak PAE in 45-nm CMOS RFSOI. IEEE Journal of Solid-State Circuits, 2022, 57, 1332-1343. | 3.5 | 22 |
| 130 | A Two-Channel 80-GHz SiGe BiCMOS Receiver With Selectable IFs for Multibeam Phased-Array Digital Beamforming Applications. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 716-726. | 2.9 | 21 |
| 131 | A SiGe BiCMOS W-Band LNA with 5.1 dB NF at 90 GHz. , 2013, , . | | 21 |
| 132 | A 60 GHz 64-element phased-array beam-pointing communication system for 5G 100 meter links up to 2 Gbps. , 2016, , . | | 21 |
| 133 | A zipper RF MEMS tunable capacitor with interdigitated RF and actuation electrodes. Journal of Micromechanics and Microengineering, 2010, 20, 035014. | 1.5 | 20 |
| 134 | Compact Self-Shielded 3 GHz High-Q Coaxial Fixed and Tunable Filters. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 3370-3379. | 2.9 | 20 |
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