

Gabriel M Rebeiz

List of Publications by Citations

Source: <https://exaly.com/author-pdf/10806058/gabriel-m-rebeiz-publications-by-citations.pdf>

Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

226 papers	8,234 citations	49 h-index	83 g-index
249 ext. papers	10,327 ext. citations	3.7 avg, IF	6.9 L-index

#	Paper	IF	Citations
226	2003,		1336
225	0.13- μ m CMOS Phase Shifters for X-, Ku-, and K-Band Phased Arrays. <i>IEEE Journal of Solid-State Circuits</i> , 2007 , 42, 2535-2546	5.5	225
224	Tuning in to RF MEMS. <i>IEEE Microwave Magazine</i> , 2009 , 10, 55-72	1.2	204
223	. <i>IEEE Journal of Solid-State Circuits</i> , 2018 , 53, 1260-1274	5.5	193
222	A 77 \pm 1-GHz 16-Element Phased-Array Receiver With $\pm 50^\circ$ Beam Scanning for Advanced Automotive Radars. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2014 , 62, 2823-2832	4.1	149
221	Design and Characterization of \pm W-Band SiGe RFICs for Passive Millimeter-Wave Imaging. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2010 , 58, 1420-1430	4.1	139
220	Single-Ended and Differential Ka-Band BiCMOS Phased Array Front-Ends. <i>IEEE Journal of Solid-State Circuits</i> , 2008 , 43, 2239-2250	5.5	121
219	Low-Loss Two-Pole Tunable Filters With Three Different Predefined Bandwidth Characteristics. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2008 , 56, 1137-1148	4.1	120
218	A 64-Element 28-GHz Phased-Array Transceiver With 52-dBm EIRP and 8 \times 12-Gb/s 5G Link at 300 Meters Without Any Calibration. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2018 , 66, 5796-5811	4.1	119
217	An X- and Ku-Band 8-Element Phased-Array Receiver in 0.18- μ m SiGe BiCMOS Technology. <i>IEEE Journal of Solid-State Circuits</i> , 2008 , 43, 1360-1371	5.5	119
216	Single and Four-Element \pm Ka-Band Transmit/Receive Phased-Array Silicon RFICs With 5-bit Amplitude and Phase Control. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2009 , 57, 3534-3543	4.1	110
215	A 90 - 100-GHz 4 x 4 SiGe BiCMOS Polarimetric Transmit/Receive Phased Array With Simultaneous Receive-Beams Capabilities. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2013 , 61, 3099-3114	4.1	104
214	A Millimeter-Wave (40 \pm 5 GHz) 16-Element Phased-Array Transmitter in 0.18- μ m SiGe BiCMOS Technology. <i>IEEE Journal of Solid-State Circuits</i> , 2009 , 44, 1498-1509	5.5	104
213	60-GHz 64- and 256-Elements Wafer-Scale Phased-Array Transmitters Using Full-Reticle and Subreticle Stitching Techniques. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016 , 64, 4701-4719	4.1	93
212	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2011 , 59, 2872-2878	4.1	88
211	An Improved Wideband All-Pass I/Q Network for Millimeter-Wave Phase Shifters. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2012 , 60, 3431-3439	4.1	87
210	High-Gain Yagi-Uda Antennas for Millimeter-Wave Switched-Beam Systems. <i>IEEE Transactions on Antennas and Propagation</i> , 2009 , 57, 3672-3676	4.9	87

209	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2011 , 59, 295-301	4.1	85
208	High- Q RF-MEMS 48-GHz Tunable Evanescent-Mode Cavity Filter. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2010 , 58, 381-389	4.1	82
207	A 0.32 THz SiGe 4x4 Imaging Array Using High-Efficiency On-Chip Antennas. <i>IEEE Journal of Solid-State Circuits</i> , 2013 , 48, 2056-2066	5.5	81
206	$\Sigma\Pi$ -Band Amplifiers With 6-dB Noise Figure and Milliwatt-Level 170-200-GHz Doublers in 45-nm CMOS. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2012 , 60, 692-701	4.1	81
205	A 108-114 GHz 4 \times 4 Wafer-Scale Phased Array Transmitter With High-Efficiency On-Chip Antennas. <i>IEEE Journal of Solid-State Circuits</i> , 2013 , 48, 2041-2055	5.5	78
204	Corrugated Microstrip Coupled Lines for Constant Absolute Bandwidth Tunable Filters. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2010 , 58, 956-963	4.1	78
203	High-Performance 1.5-2.5-GHz RF-MEMS Tunable Filters for Wireless Applications. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2010 , 58, 1629-1637	4.1	77
202	High-Efficiency Angled-Dipole Antennas for Millimeter-Wave Phased Array Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2008 , 56, 3136-3142	4.9	77
201	Single- and Dual-Polarized Tunable Slot-Ring Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2009 , 57, 19-26	4.9	76
200	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2012 , 60, 3096-3112	4.1	75
199	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2012 , 60, 730-742	4.1	74
198	A 22-24 GHz 4-Element CMOS Phased Array With On-Chip Coupling Characterization. <i>IEEE Journal of Solid-State Circuits</i> , 2008 , 43, 2134-2143	5.5	73
197	Millimeter-Wave Wafer-Scale Silicon BiCMOS Power Amplifiers Using Free-Space Power Combining. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2011 , 59, 954-965	4.1	68
196	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2010 , 58, 1887-1895	4.1	67
195	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2013 , 61, 117-124	4.1	66
194	A 0.39-0.44 THz 2x4 Amplifier-Quadrupler Array With Peak EIRP of 34 dBm. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2013 , 61, 4483-4491	4.1	65
193	High-Reliability Miniature RF-MEMS Switched Capacitors. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2008 , 56, 971-981	4.1	65
192	Two- and Four-Pole Tunable 0.7-1-GHz Bandpass-to-Bandstop Filters With Bandwidth Control. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2014 , 62, 457-463	4.1	64

191	A Phased Array RFIC With Built-In Self-Test Capabilities. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2012 , 60, 139-148	4.1	63
190	Σ -Band Low-Loss and High-Isolation Switch Design in 0.13- μm CMOS. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2008 , 56, 1364-1371	4.1	63
189	45-nm CMOS SOI Technology Characterization for Millimeter-Wave Applications. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2014 , 62, 1301-1311	4.1	62
188	A 76-84-GHz 16-Element Phased-Array Receiver With a Chip-Level Built-In Self-Test System. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2013 , 61, 3083-3098	4.1	62
187	Differentially-Fed Millimeter-Wave Yagi-Uda Antennas With Folded Dipole Feed. <i>IEEE Transactions on Antennas and Propagation</i> , 2010 , 58, 966-969	4.9	61
186	A 10-80-GHz CMOS Distributed Step Attenuator With Low Loss and Low Phase Imbalance. <i>IEEE Journal of Solid-State Circuits</i> , 2007 , 42, 2547-2554	5.5	61
185	A Near-Zero-Power Wake-Up Receiver Achieving -89-dBm Sensitivity. <i>IEEE Journal of Solid-State Circuits</i> , 2018 , 53, 1640-1652	5.5	58
184	A Quasi Elliptic Function 1.75-2.25 GHz 3-Pole Bandpass Filter With Bandwidth Control. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2012 , 60, 244-249	4.1	56
183	A Two-Pole Two-Zero Tunable Filter With Improved Linearity. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2009 , 57, 830-839	4.1	54
182	Miniature Four-Way and Two-Way 24 GHz Wilkinson Power Dividers in 0.13 μm CMOS. <i>IEEE Microwave and Wireless Components Letters</i> , 2007 , 17, 658-660	2.6	54
181	High-Efficiency Elliptical Slot Antennas With Quartz Superstrates for Silicon RFICs. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 5010-5020	4.9	52
180	A 2-Bit, 24 dBm, Millimeter-Wave SOI CMOS Power-DAC Cell for Watt-Level High-Efficiency, Fully Digital m-ary QAM Transmitters. <i>IEEE Journal of Solid-State Circuits</i> , 2013 , 48, 1126-1137	5.5	52
179	X- and K-Band SiGe HBT LNAs With 1.2- and 2.2-dB Mean Noise Figures. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2014 , 62, 2381-2389	4.1	51
178	. <i>Journal of Microelectromechanical Systems</i> , 2011 , 20, 1324-1335	2.5	50
177	An Eight-Element 37-40-GHz Phased-Array Transmitter in 45-nm CMOS SOI With Peak EIRP of 88.5 dBm. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016 , 64, 4241-4249	4.1	49
176	A High-Linearity 76-85-GHz 16-Element 8-Transmit/8-Receive Phased-Array Chip With High Isolation and Flip-Chip Packaging. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2014 , 62, 2337-2356	4.1	49
175	Low-Loss 40-GHz Tunable Filter With 3-Bit High- Q Orthogonal Bias RF-MEMS Capacitance Network. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2008 , 56, 2348-2355	4.1	49
174	A 65 GHz LNA/Phase Shifter With 4.3 dB NF Using 45 nm CMOS SOI. <i>IEEE Microwave and Wireless Components Letters</i> , 2012 , 22, 530-532	2.6	48

173	A 25005-MHz RF MEMS Tunable Filter. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2007 , 55, 2399-2405	4.1	48
172	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016 , 64, 4585-4597	4.1	46
171	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019 , 67, 318-331	4.1	46
170	140020 GHz SPST and SPDT Switches in 45 nm CMOS SOI. <i>IEEE Microwave and Wireless Components Letters</i> , 2012 , 22, 412-414	2.6	45
169	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2013 , 61, 3613-3624	4.1	44
168	A 110034-GHz SiGe Amplifier With Peak Output Power of 100020 mW. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2014 , 62, 2990-3000	4.1	44
167	A \$Ku\$ -Band Two-Antenna Four-Simultaneous Beams SiGe BiCMOS Phased Array Receiver. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2010 , 58, 771-780	4.1	44
166	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2015 , 63, 1569-1578	4.1	41
165	. <i>IEEE Journal of Solid-State Circuits</i> , 2012 , 47, 359-367	5.5	41
164	Dual-Polarized Sinuous Antennas on Extended Hemispherical Silicon Lenses. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 4082-4091	4.9	39
163	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2011 , 59, 2461-2468	4.1	39
162	On-Chip Slot-Ring and High-Gain Horn Antennas for Millimeter-Wave Wafer-Scale Silicon Systems. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2011 , 59, 1963-1972	4.1	39
161	A 4018-GHz reconfigurable RF MEMS matching network for power amplifier applications. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2004 , 14, 356-372	1.5	39
160	RF MEMS Metal-Contact Switches With mN-Contact and Restoring Forces and Low Process Sensitivity. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2011 , 59, 1230-1237	4.1	38
159	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2011 , 59, 2064-2072	4.1	38
158	. <i>Journal of Microelectromechanical Systems</i> , 2010 , 19, 816-826	2.5	37
157	Ka-Band SiGe HBT Low Noise Amplifier Design for Simultaneous Noise and Input Power Matching. <i>IEEE Microwave and Wireless Components Letters</i> , 2007 , 17, 891-893	2.6	36
156	. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 2611-2619	4.9	35

155	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2011 , 59, 2469-2476	4.1	35
154	Bandpass-to-Bandstop Reconfigurable Tunable Filters with Frequency and Bandwidth Controls. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017 , 65, 2288-2297	4.1	34
153	0.71.0-GHz Reconfigurable Bandpass-to-Bandstop Filter With Selectable 2- and 4-Pole Responses. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2014 , 62, 2626-2632	4.1	34
152	A High-Power Packaged Four-Element X -Band Phased-Array Transmitter in $0.13\text{-}\mu\text{m}$ CMOS for Radar and Communication Systems. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2013 , 61, 3060-3071	4.1	34
151	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. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2008 , 56, 2046-2053	4.1	33
150	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016 , 64, 436-449	4.1	32
149	0.731.03-GHz Tunable Bandpass Filter With a Reconfigurable 2/3/4-Pole Response. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2014 , 62, 290-296	4.1	32
148	A 1.41.3-GHz Tunable Diplexer Based on Reconfigurable Matching Networks. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2015 , 63, 1595-1602	4.1	31
147	A 90100-GHz Phased-Array Transmit/Receive Silicon RFIC Module With Built-In Self-Test. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2013 , 61, 3774-3782	4.1	31
146	A 40-50-GHz SiGe 1 : 8 differential power divider using shielded broadside-coupled striplines. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2008 , 56, 1575-1581	4.1	31
145	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. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020 , 68, 3872-3884	4.1	27
144	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020 , 68, 4765-4774	4.1	27
143	A 7080-GHz SiGe Amplifier With Peak Output Power of 27.3 dBm. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016 , 64, 2039-2049	4.1	27
142	A Shallow Varactor-Tuned Cavity-Backed Slot Antenna With a 1.9:1 Tuning Range. <i>IEEE Transactions on Antennas and Propagation</i> , 2010 , 58, 633-639	4.9	27
141	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020 , 68, 4753-4764	4.1	26
140	Random Feeding Networks for Reducing the Number of Phase Shifters in Limited-Scan Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 4648-4658	4.9	26
139	Compact High-Power SPST and SP4T RF MEMS Metal-Contact Switches. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2014 , 62, 297-305	4.1	26
138	An Electronically-Scanned 1.81 GHz Base-Station Antenna Using Packaged High-Reliability RF MEMS Phase Shifters. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2013 , 61, 979-985	4.1	26

137	A 3 G-Bit/s W-band SiGe ASK receiver with a high-efficiency on-chip electromagnetically-coupled antenna 2010 ,		25
136	2015 ,		24
135	Silicon RFICs for phased arrays. <i>IEEE Microwave Magazine</i> , 2009 , 10, 96-103	1.2	24
134	High-Reliability RF-MEMS Switched Capacitors With Digital and Analog Tuning Characteristics. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2010 , 58, 2692-2701	4.1	24
133	Higher Order Cochlea-Like Channelizing Filters. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2008 , 56, 1675-1683	4.1	24
132	Ka-Band SiGe HBT Low Phase Imbalance Differential 3-Bit Variable Gain LNA. <i>IEEE Microwave and Wireless Components Letters</i> , 2008 , 18, 272-274	2.6	24
131	A SiGe Multiplier Array With Output Power of 58 dBm at 200-30 GHz. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016 , 64, 2050-2058	4.1	23
130	. <i>Journal of Microelectromechanical Systems</i> , 2011 , 20, 193-203	2.5	22
129	Tunable 4-Pole Noncontiguous 0.7-1.1-GHz Bandpass Filters Based on Dual Zero-Value Couplings. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2015 , 63, 1579-1586	4.1	21
128	Transmission of Signals With Complex Constellations Using Millimeter-Wave Spatially Power-Combined CMOS Power Amplifiers and Digital Predistortion. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2015 , 63, 2364-2374	4.1	21
127	A 200-245 GHz Balanced Frequency Doubler with Peak Output Power of +2 dBm 2013 ,		21
126	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2011 , 59, 1746-1752	4.1	20
125	RF MEMS impedance tuners for 60 GHz applications. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2007 , 17, 265-278	1.5	20
124	A 0.97-1.53-GHz Tunable Four-Pole Bandpass Filter With Four Transmission Zeroes. <i>IEEE Microwave and Wireless Components Letters</i> , 2019 , 29, 195-197	2.6	20
123	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. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019 , 67, 5268-5281	4.1	20
122	A 60 GHz 64-element phased-array beam-pointing communication system for 5G 100 meter links up to 2 Gbps 2016 ,		19
121	A S-D-Band Digital Transmitter with 64-QAM and OFDM Free-Space Constellation Formation. <i>IEEE Journal of Solid-State Circuits</i> , 2018 , 53, 2012-2022	5.5	19
120	A zipper RF MEMS tunable capacitor with interdigitated RF and actuation electrodes. <i>Journal of Micromechanics and Microengineering</i> , 2010 , 20, 035014	2	19

- 119 **2019,** 18
- 118 . *Journal of Microelectromechanical Systems*, **2015**, 24, 599-607 2.5 18
- 117 . *IEEE Transactions on Microwave Theory and Techniques*, **2011**, 59, 716-726 4.1 18
- 116 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 1.5 18
- 115 Tunable 500–200-MHz Dual-Band and Wide Bandwidth Notch Filters Using RF Transformers. *IEEE Transactions on Microwave Theory and Techniques*, **2015**, 63, 1854-1862 4.1 17
- 114 . *IEEE Transactions on Microwave Theory and Techniques*, **2014**, 62, 3370-3379 4.1 17
- 113 Cochlea-Based RF Channelizing Filters. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2008**, 55, 969-979 3.9 17
- 112 $\{W\}$ -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 5.5 16
- 111 . *IEEE Transactions on Microwave Theory and Techniques*, **2012**, 60, 3263-3271 4.1 16
- 110 Millimeter-Wave and THz Circuits in 45-nm SOI CMOS **2011,** 16
- 109 28 GHz 5G-Based Phased-Arrays for UAV Detection and Automotive Traffic-Monitoring Radars **2018** 16
- 108 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 4.1 15
- 107 A Novel Approach to Beam Steering Using Arrays Composed of Multiple Unique Radiating Modes. *IEEE Transactions on Antennas and Propagation*, **2015**, 63, 2932-2945 4.9 15
- 106 . *IEEE Transactions on Microwave Theory and Techniques*, **2021**, 69, 235-247 4.1 15
- 105 Tunable 4-Pole Dual-Notch Filters for Cognitive Radios and Carrier Aggregation Systems. *IEEE Transactions on Microwave Theory and Techniques*, **2015**, 63, 1308-1314 4.1 14
- 104 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 2 14
- 103 **2013,** 14
- 102 Design of high-efficiency millimeter-wave microstrip antennas for silicon RFIC applications **2011,** 14

101	A 4-channel 2407 GHz CMOS differential phased-array receiver 2009 ,		14
100	A 24 GHz 6-Bit CMOS Phased-Array Receiver. <i>IEEE Microwave and Wireless Components Letters</i> , 2008 , 18, 422-424	2.6	14
99	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2021 , 69, 3484-3495	4.1	14
98	A 7684 GHz 16-element phased array receiver with a chip-level built-in-self-test system 2012 ,		13
97	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2013 , 61, 455-463	4.1	13
96	High-efficiency silicon RFIC millimeter-wave elliptical slot-antenna with a quartz lens 2011 ,		13
95	Limited Scan-Angle Phased Arrays Using Randomly Grouped Subarrays and Reduced Number of Phase Shifters. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 70-80	4.9	13
94	A 1024-Element Ku-Band SATCOM Phased-Array Transmitter With 45-dBW Single-Polarization EIRP. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2021 , 69, 4157-4168	4.1	13
93	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2018 , 66, 1973-1982	4.1	12
92	A 28 GHz transceiver chip for 5G beamforming data links in SiGe BiCMOS 2017 ,		12
91	An X- and Ku-Band 8-Element Linear Phased Array Receiver 2007 ,		12
90	Millimeter-wave large-scale phased-arrays for 5G systems 2015 ,		11
89	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020 , 68, 4775-4786	4.1	11
88	A 215-GHz Accurate Built-in-Self-Test System for Wideband Phased Arrays Using Self-Correcting Eight-State Σ/Π Mixers. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016 , 64, 4250-4261	4.1	11
87	A Very Low Phase-Noise Transformer-Coupled Oscillator and PLL for 5G Communications in 0.12 μm SiGe BiCMOS. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020 , 68, 1529-1541	4.1	11
86	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 ,		11
85	Low-loss 0.13- μm CMOS 50 \pm 0 GHz SPDT and SP4T switches 2009 ,		10
84	High-Q RF MEMS capacitor with digital/analog tuning capabilities 2008 ,		10

- 83 High-Power High-Reliability High-Q Switched RF MEMS Capacitors **2006**, 10
- 82 **2017**, 9
- 81 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 4.9 8
- 80 A Tunable Single-Feed Triple-Band LTE Antenna With Harmonic Suppression. *IEEE Access*, **2019**, 7, 104663-104672 3.5 8
- 79 . *IEEE Microwave and Wireless Components Letters*, **2012**, 22, 394-396 2.6 8
- 78 Variable spring constant, high contact force RF MEMS switch **2010**, 8
- 77 **2012**, 8
- 76 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 4.1 8
- 75 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 4.1 8
- 74 A 1.26-3.3 GHz Tunable Triplexer With Compact Size and Constant Bandwidth. *IEEE Microwave and Wireless Components Letters*, **2016**, 26, 786-788 2.6 8
- 73 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**, 1-1 4.1 8
- 72 A Packaged 0.0106-GHz Single-Chip SiGe Reflectometer for Two-Port Vector Network Analyzers. *IEEE Transactions on Microwave Theory and Techniques*, **2020**, 68, 1794-1808 4.1 7
- 71 **2013**, 7
- 70 A 4-Bit Passive Phase Shifter for Automotive Radar Applications in 0.13 μ m CMOS **2009**, 7
- 69 Ka-Band BiCMOS 4-Bit Phase Shifter with Integrated LNA for Phased Array T/R Modules **2007**, 7
- 68 A Low-Loss Double-Tuned Transformer. *IEEE Microwave and Wireless Components Letters*, **2007**, 17, 772-774 7
- 67 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 4.1 6
- 66 ACPR Improvement in Large Phased Arrays With Complex Modulated Waveforms. *IEEE Transactions on Microwave Theory and Techniques*, **2020**, 68, 1045-1053 4.1 6

65	A 0.3 THz 4 × 4 cold-FET imaging array in 45 nm CMOS SOI 2014 ,		6
64	A Low-Noise 150–110 GHz Detector in 45 nm CMOS SOI. <i>IEEE Microwave and Wireless Components Letters</i> , 2013 , 23, 309-311	2.6	6
63	Ultra Low Power 60 GHz ASK SiGe Receiver with 3-6 GBPS Capabilities 2009 ,		6
62	A Multiband/Multistandard 15-57 GHz Receive Phased-Array Module Based on 4 × 1 Beamformer IC and Supporting 5G NR FR2 Operation. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2022 , 1-1	4.1	6
61	A 24-29.5 GHz 256-Element 5G Phased-Array with 65.5 dBm Peak EIRP and 256-QAM Modulation 2020 ,		6
60	Investigations on the Use of Multiple Unique Radiating Modes for 2-D Beam Steering. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 4659-4670	4.9	6
59	A 100–300-GHz Free-Space Scalar Network Analyzer Using Compact Tx and Rx Modules. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016 , 64, 4021-4029	4.1	6
58	An Eight-Element 140-GHz Wafer-Scale IF Beamforming Phased-Array Receiver With 64-QAM Operation in CMOS RFSOI. <i>IEEE Journal of Solid-State Circuits</i> , 2021 , 1-1	5.5	6
57	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2012 , 60, 381-386	4.1	5
56	A miniature DC-70 GHz SP4T switch in 0.13-µm CMOS 2009 ,		5
55	A two-channel Ku-band BiCMOS digital beam-forming receiver for polarization-agile phased-array applications 2009 ,		5
54	A 24 GHz Amplitude Monopulse Comparator in 0.13 µm CMOS. <i>IEEE Microwave and Wireless Components Letters</i> , 2008 , 18, 632-634	2.6	5
53	An Eight-Element 136-147 GHz Wafer-Scale Phased-Array Transmitter With 32 dBm Peak EIRP and >16 Gbps 16QAM and 64QAM Operation. <i>IEEE Journal of Solid-State Circuits</i> , 2022 , 1-14	5.5	5
52	A 35–105 GHz High Image-Rejection-Ratio IQ Receiver with Integrated LO Doubler and > 40 dB IRR 2018 ,		4
51	Analysis and Design of Wideband I/Q CMOS 100–200 Gb/s Modulators. <i>IEEE Journal of Solid-State Circuits</i> , 2019 , 54, 2361-2374	5.5	4
50	Wafer-Scale Millimeter-Wave Phased-Array RFICs 2014 ,		4
49	A Phased Array RFIC with Built-In Self-Test Using an Integrated Vector Signal Analyzer 2011 ,		4
48	2010 ,		4

47	Cascadable RF MEMS switched capacitors for 0.1–1 GHz applications 2009 ,		4
46	An Eight-Element 140 GHz Wafer-Scale Phased-Array Transmitter with 32 dBm Peak EIRP and > 16 Gbps 16QAM and 64QAM Operation 2021 ,		4
45	A Multi-Band 16–52-GHz Transmit Phased Array Employing 4 x 1 Beamforming IC With 14–15.4-dBm PS_{sat} for 5G NR FR2 Operation. <i>IEEE Journal of Solid-State Circuits</i> , 2021 , 1–1	5.5	4
44	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 ,		4
43	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. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2021 , 1–1	4.1	4
42	A 4-Channel 10–40 GHz Wideband Receiver with Integrated Frequency Quadrupler for High Resolution Millimeter-Wave Imaging Systems 2018 ,		4
41	A 128-element 54–63 GHz 2-Dimensional Tx/Rx Phased-Array with 64-QAM/30 Gbps Communication Links 2019 ,		3
40	A Multi-Standard 15–57 GHz 4-Channel Receive Beamformer with 4.8 dB Midband NF for 5G Applications 2020 ,		3
39	A 9.4–11.7 GHz VCO in 0.12 μ m SiGe BiCMOS with -123 dBc/Hz Phase Noise at 1 MHz Offset for 5G Systems 2018 ,		3
38	High-efficiency elliptical-slot silicon RFIC antenna with quartz superstrate 2012 ,		3
37	A single-chip 36–38 GHz 4-element transmit/receive phased-array with 5-bit amplitude and phase control 2009 ,		3
36	A compact SPDT RF MEMS switch with high contact force 2009 ,		3
35	Ka-Band Low-Loss and High-Isolation 0.13 μ m CMOS SPST/SPDT Switches Using High Substrate Resistance 2007 ,		3
34	A Dual-Core 8–17 GHz LC VCO with Enhanced Tuning Switch-less Tertiary Winding and 208.8 dBc/Hz Peak FoMT in 22nm FDSOI 2020 ,		3
33	Intersymbol Interference and Equalization for Large 5G Phased Arrays With Wide Scan Angles. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2021 , 69, 1955–1964	4.1	3
32	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. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2021 , 69, 1772–1779	4.1	3
31	Linearity and Efficiency Improvements in Phased-Array Transmitters with Large Number of Elements and Complex Modulation 2018 ,		3
30	Wideband Bandpass Filter for 5G Millimeter-Wave Application in 45-nm CMOS Silicon-on-Insulator. <i>IEEE Electron Device Letters</i> , 2021 , 42, 1244–1247	4.4	3

29	2019,	2
28	In-Situ Self-Test and Self-Calibration of Dual-Polarized 5G TRX Phased Arrays Leveraging Orthogonal-Polarization Antenna Couplings 2020,	2
27	2020,	2
26	A 2-15 GHz built-in-self-test system for wide-band phased arrays using self-correcting 8-state I/Q mixers 2016,	2
25	A 1.6–2.7 GHz tunable dual-band 4G-LTE antenna for carrier aggregation 2014,	2
24	A 640–1030 MHz four-pole tunable filter with improved stopband rejection and controllable bandwidth and transmission zeros 2013,	2
23	Low-power low-noise 0.13 μm CMOS X-band phased array receivers 2010,	2
22	Ultra Low-Loss 50-70 GHz SPDT Switch in 90 nm CMOS 2009,	2
21	A Ka-Band BiCMOS T/R Module for Phased Array Applications. <i>Compound Semiconductor Integrated Circuit Symposium (CSICS), IEEE, 2008,</i>	2
20	A Low-Loss Microstrip Surface-Mount K-Band Package 2006,	2
19	C-Band low-loss phase shifter >>360° for WLAN applications 2007,	2
18	Large area bolometers for millimeter-wave power calibration. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 1989 , 10, 931-936	2
17	An 8-Way Combined E-Band Power Amplifier with 24 dBm Psat and 12% PAE in 0.12 μm SiGe 2018,	2
16	A 135–160 GHz balanced frequency doubler in 45 nm CMOS with 3.5 dBm peak power 2014,	1
15	Millimeter-wave SiGe RFICs for large-scale phased-arrays 2014,	1
14	2012,	1
13	A 108–112 GHz 4 \times 4 wafer-scale phased array transmitter with high-efficiency on-chip antennas 2012,	1
12	High power (> 10 W) RF MEMS switched capacitors 2012,	1

11	RF MEMS miniature-switched capacitors with pull-down and pull-up electrodes for high power applications 2011 ,		1
10	Compact 2-pole and 4-pole 2.4-2.8 GHz dual-mode tunable filters 2010 ,		1
9	A 20-40 GHz quasi-optical network analyzer 2011 ,		1
8	A Low-Loss Microstrip Surface-Mount K-Band Package 2006 ,		1
7	A 28-GHz Full-Duplex Phased Array Front-End Using Two Cross-Polarized Arrays and a Canceller. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2021 , 69, 1127-1135	4.1	1
6	A DC-60 GHz I/Q Modulator in 45 nm SOI CMOS for Ultra-Wideband 5G Radios 2018 ,		1
5	High Efficiency D-Band Multiway Power Combined Amplifiers With 17.5-19-dBm Psat and 14.2-12.1% Peak PAE in 45-nm CMOS RFSOI. <i>IEEE Journal of Solid-State Circuits</i> , 2022 , 1-1	5.5	0
4	Authors' Reply to Comments on A 0.73-1.03-GHz Tunable Bandpass Filter With a Reconfigurable 2/3/4-Pole Response <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017 , 65, 4226-4226	4.1	
3	Authors' Reply to Comments on A Quasi Elliptic Function 1.75-2.25 GHz 3-Pole Bandpass Filter With Bandwidth Control <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2014 , 62, 2844-2844	4.1	
2	Corrections to A Two-Channel 8-20-GHz SiGe BiCMOS Receiver With Selectable IFs for Multibeam Phased-Array Digital Beamforming Applications [Mar 11 716-726]. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2011 , 59, 2369-2369	4.1	
1	A CMOS K-Band Quadrature Generator. <i>IEEE Microwave and Wireless Components Letters</i> , 2008 , 18, 130-132		