

Gabriel M Rebeiz

List of Publications by Year in Descending Order

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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	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
225	A Multiband/Multistandard 15-57 GHz Receive Phased-Array Module Based on 4 x 1 Beamformer IC and Supporting 5G NR FR2 Operation. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2022 , 1-1	4.1	6
224	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
223	An Eight-Element 140 GHz Wafer-Scale Phased-Array Transmitter with 32 dBm Peak EIRP and > 16 Gbps 16QAM and 64QAM Operation 2021 ,		4
222	A Multi-Band 16-52-GHz Transmit Phased Array Employing 4 x 1 Beamforming IC With 14-15.4-dBm P_{sat} for 5G NR FR2 Operation. <i>IEEE Journal of Solid-State Circuits</i> , 2021 , 1-1	5.5	4
221	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
220	A 57.5-55.5 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
219	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. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2021 , 69, 2594-2608	4.1	8
218	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2021 , 69, 235-247	4.1	15
217	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
216	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
215	A 256-Element Dual-Beam Polarization-Agile SATCOM Ku-Band Phased-Array With 5-dB/K G/T. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2021 , 1-1	4.1	8
214	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2021 , 69, 3484-3495	4.1	14
213	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
212	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
211	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
210	In-Situ Self-Test and Self-Calibration of Dual-Polarized 5G TRX Phased Arrays Leveraging Orthogonal-Polarization Antenna Couplings 2020 ,		2

209	A Multi-Standard 15-57 GHz 4-Channel Receive Beamformer with 4.8 dB Midband NF for 5G Applications 2020 ,		3
208	2020 ,		2
207	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
206	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020 , 68, 4775-4786	4.1	11
205	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020 , 68, 4753-4764	4.1	26
204	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020 , 68, 4765-4774	4.1	27
203	A Packaged 0.01-6-GHz Single-Chip SiGe Reflectometer for Two-Port Vector Network Analyzers. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020 , 68, 1794-1808	4.1	7
202	ACPR Improvement in Large Phased Arrays With Complex Modulated Waveforms. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020 , 68, 1045-1053	4.1	6
201	A Very Low Phase-Noise Transformer-Coupled Oscillator and PLL for 5G Communications in 0.12 μ m SiGe BiCMOS. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020 , 68, 1529-1541	4.1	11
200	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
199	A 24-29.5 GHz 256-Element 5G Phased-Array with 65.5 dBm Peak EIRP and 256-QAM Modulation 2020 ,		6
198	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
197	A 128-element 54-63 GHz 2-Dimensional Tx/Rx Phased-Array with 64-QAM/30 Gbps Communication Links 2019 ,		3
196	2019 ,		18
195	2019 ,		2
194	A Compact pMOS Stacked-SOI Distributed Power Amplifier With Over 100-GHz Bandwidth and Up to 22-dBm Saturated Output Power. <i>IEEE Solid-State Circuits Letters</i> , 2019 , 2, 9-12	2	14
193	A Tunable Single-Feed Triple-Band LTE Antenna With Harmonic Suppression. <i>IEEE Access</i> , 2019 , 7, 104663-104672	3.5	17
192	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

191	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
190	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
189	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
188	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019 , 67, 318-331	4.1	46
187	. <i>IEEE Journal of Solid-State Circuits</i> , 2018 , 53, 1260-1274	5.5	193
186	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2018 , 66, 1973-1982	4.1	12
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	Interwoven Feeding Networks With Aperture Sinc-Distribution for Limited-Scan Phased Arrays and Reduced Number of Phase Shifters. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 2401-2413	4.9	8
183	A 64-Element 28-GHz Phased-Array Transceiver With 52-dBm EIRP and 8-12-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
182	Third-Order Intermodulation Effects and System Sensitivity Degradation in Receive-Mode 5G Phased Arrays in the Presence of Multiple Interferers. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2018 , 66, 5780-5795	4.1	15
181	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
180	A 35-105 GHz High Image-Rejection-Ratio IQ Receiver with Integrated LO Doubler and > 40 dB IRR 2018 ,		4
179	A 50-GHz 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
178	A DC-60 GHz I/Q Modulator in 45 nm SOI CMOS for Ultra-Wideband 5G Radios 2018 ,		1
177	28 GHz 5G-Based Phased-Arrays for UAV Detection and Automotive Traffic-Monitoring Radars 2018 ,		16
176	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
175	An 8-Way Combined E-Band Power Amplifier with 24 dBm Psat and 12% PAE in 0.12 μ m SiGe 2018 ,		2
174	A 4-Channel 10-40 GHz Wideband Receiver with Integrated Frequency Quadrupler for High Resolution Millimeter-Wave Imaging Systems 2018 ,		4

173	Linearity and Efficiency Improvements in Phased-Array Transmitters with Large Number of Elements and Complex Modulation 2018 ,		3
172	Authors' Reply to Comments on 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	
171	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
170	5-Band Direct-Modulation >20-Gb/s Transmit and Receive Building Blocks in 32-nm SOI CMOS. <i>IEEE Journal of Solid-State Circuits</i> , 2017 , 52, 2277-2291	5.5	16
169	A 28 GHz transceiver chip for 5G beamforming data links in SiGe BiCMOS 2017 ,		12
168	2017 ,		9
167	A 60 GHz 64-element phased-array beam-pointing communication system for 5G 100 meter links up to 2 Gbps 2016 ,		19
166	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
165	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
164	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016 , 64, 4585-4597	4.1	46
163	A 2-15 GHz built-in-self-test system for wide-band phased arrays using self-correcting 8-state I/Q mixers 2016 ,		2
162	A 2-15-GHz Accurate Built-in-Self-Test System for Wideband Phased Arrays Using Self-Correcting Eight-State I/Q Mixers. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016 , 64, 4250-4261	4.1	11
161	An Eight-Element 370-410-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
160	A 70-80-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
159	A SiGe Multiplier Array With Output Power of 58 dBm at 200-230 GHz. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016 , 64, 2050-2058	4.1	23
158	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016 , 64, 436-449	4.1	32
157	A Low-Power 136-GHz SiGe Total Power Radiometer With NETD of 0.25 K. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016 , 1-9	4.1	8
156	A 1.26-3.3 GHz Tunable Triplexer With Compact Size and Constant Bandwidth. <i>IEEE Microwave and Wireless Components Letters</i> , 2016 , 26, 786-788	2.6	8

155	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
154	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
153	A 1.1-Gbit/s 10-GHz Outphasing Modulator With 23-dBm Output Power and 60-dB Dynamic Range in 45-nm CMOS SOI. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2015 , 63, 2289-2300	4.1	6
152	A 1.4-2.3-GHz Tunable Diplexer Based on Reconfigurable Matching Networks. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2015 , 63, 1595-1602	4.1	31
151	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
150	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2015 , 63, 1569-1578	4.1	41
149	Tunable 4-Pole Dual-Notch Filters for Cognitive Radios and Carrier Aggregation Systems. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2015 , 63, 1308-1314	4.1	14
148	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
147	Millimeter-wave large-scale phased-arrays for 5G systems 2015 ,		11
146	. <i>Journal of Microelectromechanical Systems</i> , 2015 , 24, 599-607	2.5	18
145	Tunable 500-200-MHz Dual-Band and Wide Bandwidth Notch Filters Using RF Transformers. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2015 , 63, 1854-1862	4.1	17
144	A Novel Approach to Beam Steering Using Arrays Composed of Multiple Unique Radiating Modes. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 2932-2945	4.9	15
143	2015 ,		24
142	Two- and Four-Pole Tunable 0.7-1.1-GHz Bandpass-to-Bandstop Filters With Bandwidth Control. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2014 , 62, 457-463	4.1	64
141	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> , 2014 , 62, 290-296	4.1	32
140	A 1.6-2.7 GHz tunable dual-band 4G-LTE antenna for carrier aggregation 2014 ,		2
139	A 135-160 GHz balanced frequency doubler in 45 nm CMOS with 3.5 dBm peak power 2014 ,		1
138	0.7-1.0-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

137	A 77 8 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
136	Authors' Reply to Comments on A Quasi Elliptic Function 1.75 0 .25 GHz 3-Pole Bandpass Filter With Bandwidth Control. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2014 , 62, 2844-2844	4.1	
135	A High-Linearity 76 8 5-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
134	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
133	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
132	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
131	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2014 , 62, 3370-3379	4.1	17
130	A 110 0 34-GHz SiGe Amplifier With Peak Output Power of 100 0 20 mW. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2014 , 62, 2990-3000	4.1	44
129	A 0.3 THz 4 \times 4 cold-FET imaging array in 45 nm CMOS SOI 2014 ,		6
128	Wafer-Scale Millimeter-Wave Phased-Array RFICs 2014 ,		4
127	Millimeter-wave SiGe RFICs for large-scale phased-arrays 2014 ,		1
126	A 108 0 14 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
125	2013 ,		7
124	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
123	A High-Power Packaged Four-Element $\pm 0.13^\circ$ CMOS for Radar and Communication Systems. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2013 , 61, 3060-3071	4.1	34
122	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
121	A 76 8 4-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
120	A 90 0 100-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

119	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2013 , 61, 3613-3624	4.1	44
118	A 6400030 MHz four-pole tunable filter with improved stopband rejection and controllable bandwidth and transmission zeros 2013 ,		2
117	A 0.390.44 THz 2x4 Amplifier-Quadrupler Array With Peak EIRP of 30 dBm. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2013 , 61, 4483-4491	4.1	65
116	A 200-245 GHz Balanced Frequency Doubler with Peak Output Power of +2 dBm 2013 ,		21
115	2013 ,		14
114	An Electronically-Scanned 1.80.1 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
113	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2013 , 61, 455-463	4.1	13
112	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
111	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2013 , 61, 117-124	4.1	66
110	A Low-Noise 150010 GHz Detector in 45 nm CMOS SOI. <i>IEEE Microwave and Wireless Components Letters</i> , 2013 , 23, 309-311	2.6	6
109	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
108	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2012 , 60, 381-386	4.1	5
107	A Quasi Elliptic Function 1.750.25 GHz 3-Pole Bandpass Filter With Bandwidth Control. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2012 , 60, 244-249	4.1	56
106	. <i>IEEE Journal of Solid-State Circuits</i> , 2012 , 47, 359-367	5.5	41
105	A 7684 GHz 16-element phased array receiver with a chip-level built-in-self-test system 2012 ,		13
104	2012 ,		1
103	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
102	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

101	High-efficiency elliptical-slot silicon RFIC antenna with quartz superstrate 2012 ,		3
100	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
99	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2012 , 60, 3096-3112	4.1	75
98	\$W\$ -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
97	. <i>IEEE Microwave and Wireless Components Letters</i> , 2012 , 22, 394-396	2.6	8
96	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
95	A 108-112 GHz 4- μ m wafer-scale phased array transmitter with high-efficiency on-chip antennas 2012 ,		1
94	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2012 , 60, 730-742	4.1	74
93	High power (> 10 W) RF MEMS switched capacitors 2012 ,		1
92	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2012 , 60, 3263-3271	4.1	16
91	Dual-Polarized Sinuous Antennas on Extended Hemispherical Silicon Lenses. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 4082-4091	4.9	39
90	. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 2611-2619	4.9	35
89	2012 ,		8
88	. <i>Journal of Microelectromechanical Systems</i> , 2011 , 20, 1324-1335	2.5	50
87	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2011 , 59, 2469-2476	4.1	35
86	A Phased Array RFIC with Built-In Self-Test Using an Integrated Vector Signal Analyzer 2011 ,		4
85	RF MEMS miniature-switched capacitors with pull-down and pull-up electrodes for high power applications 2011 ,		1
84	. <i>Journal of Microelectromechanical Systems</i> , 2011 , 20, 193-203	2.5	22

83	Design of high-efficiency millimeter-wave microstrip antennas for silicon RFIC applications 2011 ,		14
82	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2011 , 59, 2461-2468	4.1	39
81	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
80	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
79	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2011 , 59, 295-301	4.1	85
78	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2011 , 59, 716-726	4.1	18
77	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2011 , 59, 1746-1752	4.1	20
76	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
75	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2011 , 59, 2064-2072	4.1	38
74	Corrections to A Two-Channel 80-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	
73	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2011 , 59, 2872-2878	4.1	88
72	Millimeter-Wave and THz Circuits in 45-nm SOI CMOS 2011 ,		16
71	High-efficiency silicon RFIC millimeter-wave elliptical slot-antenna with a quartz lens 2011 ,		13
70	A 200 GHz quasi-optical network analyzer 2011 ,		1
69	Variable spring constant, high contact force RF MEMS switch 2010 ,		8
68	. <i>Journal of Microelectromechanical Systems</i> , 2010 , 19, 816-826	2.5	37
67	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
66	2010 ,		4

65	Low-power low-noise 0.13 μ m CMOS X-band phased array receivers 2010 ,		2
64	A zipper RF MEMS tunable capacitor with interdigitated RF and actuation electrodes. <i>Journal of Micromechanics and Microengineering</i> , 2010 , 20, 035014	2	19
63	Compact 2-pole and 4-pole 2.4 $\bar{2}$.8 GHz dual-mode tunable filters 2010 ,		1
62	A 3 G-Bit/s W-band SiGe ASK receiver with a high-efficiency on-chip electromagnetically-coupled antenna 2010 ,		25
61	Design and Characterization of \bar{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
60	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
59	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2010 , 58, 1887-1895	4.1	67
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