

Huei Wang

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.

256
papers

3,688
citations

34
h-index

44
g-index

342
ext. papers

4,981
ext. citations

3.1
avg, IF

5.34
L-index

#	Paper	IF	Citations
256	Low-Noise Amplifier for Next-Generation Radio Astronomy Telescopes: Review of the State-of-the-Art Cryogenic LNAs in the Most Challenging Applications. <i>IEEE Microwave Magazine</i> , 2022 , 23, 31-47	1.2	0
255	An E-Band High-Performance Variable Gain Low Noise Amplifier for Wireless Communications in 90-nm CMOS Process. <i>IEEE Microwave and Wireless Components Letters</i> , 2022 , 1-4	2.6	
254	A Duplexing Hybrid Slot Antenna Design with High-Isolation for Short-Range Radar Detection and Identification Applications at 24 GHz Band. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	
253	A 28-GHz High Linearity Up-Conversion Mixer Using Second-Harmonic Injection Technique in 28-nm CMOS Technology. <i>IEEE Microwave and Wireless Components Letters</i> , 2021 , 31, 276-279	2.6	5
252	38-GHz Phased Array Transmitter and Receiver Based on Scalable Phased Array Modules With Endfire Antenna Arrays for 5G MMW Data Links. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2021 , 69, 980-999	4.1	22
251	A 3.7-3.7-GHz Low-Power Consumption Variable Gain Distributed Amplifier in 90-nm CMOS. <i>IEEE Microwave and Wireless Components Letters</i> , 2021 , 31, 169-172	2.6	3
250	A Broadband Transformer-Based Power Amplifier Achieving 24.5-dBm Output Power Over 24-31 GHz in 65-nm CMOS Process. <i>IEEE Microwave and Wireless Components Letters</i> , 2021 , 31, 308-311	2.6	5
249	A 50-67-GHz Ultralow-Power LNA Using Double-Transformer-Coupling Technique and Self-Resonant Matching in 90-nm CMOS. <i>IEEE Microwave and Wireless Components Letters</i> , 2021 , 1-4	2.6	1
248	A 38-GHz 32-Element Phased-Array Transmitter Based on Scalable 8-Element Phased-Array Modules for 5G MMW Data Links 2020 ,		1
247	38-GHz CMOS Linearized Receiver With IM3 Suppression, P1 dB/IP3/RR3 Enhancements, and Mitigation of QAM Constellation Diagram Distortion in 5G MMW Systems. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020 , 68, 2779-2795	4.1	4
246	A Submilliwatt K-Band Low-Noise Amplifier for Next Generation Radio Astronomical Receivers in 65-nm CMOS Process. <i>IEEE Microwave and Wireless Components Letters</i> , 2020 , 30, 669-672	2.6	6
245	An Innovative Joint-Injection Mixer With Broadband IF and RF for Advanced Heterodyne Receivers of Millimeter-Wave Astronomy. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020 , 1-1	4.1	2
244	A G-Band on-off-Keying Low-Power Transmitter and Receiver for Interconnect Systems in 65-nm CMOS. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2020 , 10, 118-132	3.4	3
243	A 30-40 GHz Continuous Class F ₁ Power Amplifier with 35.8% Peak PAE in 65 nm CMOS Technology 2020 ,		2
242	A Compact 40-GHz Doherty Power Amplifier With 21% PAE at 6-dB Power Back Off in 0.1- μm GaAs pHEMT Process. <i>IEEE Microwave and Wireless Components Letters</i> , 2019 , 29, 545-547	2.6	8
241	An Inductive-Neutralized 26-dBm K _a -Band Power Amplifier With 34% PAE in 90-nm CMOS. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019 , 67, 4427-4440	4.1	6
240	A 40-GHz High Linearity Transmitter in 65-nm CMOS Technology with 32-dBm OIP3 2019 ,		2

239	A Ka-Band Stacked Power Amplifier with 24.8-dBm Output Power and 24.3% PAE in 65-nm CMOS Technology 2019 ,		9
238	A V-Band Power Amplifier With 23.7-dBm Output Power, 22.1% PAE, and 29.7-dB Gain in 65-nm CMOS Technology. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019 , 1-9	4.1	5
237	A K-Band High-OP1dB Common-Drain Power Amplifier With Neutralization Technique in 90-nm CMOS Technology. <i>IEEE Microwave and Wireless Components Letters</i> , 2019 , 29, 795-797	2.6	4
236	A 38-GHz Sub-Harmonic I/Q Modulator Using LO Frequency Quadrupler in 65-nm CMOS 2019 ,		3
235	A 40-nm CMOS Mixer with 36-GHz IF Bandwidth and 60-148 GHz RF Passband 2019 ,		2
234	2019 ,		1
233	A Compact 38-54 GHz Sub-Harmonic Mixer with Improved Linearity in 65-nm CMOS 2019 ,		2
232	An E-band Double-Balanced Subharmonic Mixer With High Conversion Gain and Low Power in 90-nm CMOS Process. <i>IEEE Microwave and Wireless Components Letters</i> , 2018 , 28, 70-72	2.6	5
231	A High Linearity 24-GHz Down-Conversion Mixer Using Distributed Derivative Superposition Technique in 0.18- μm CMOS Process. <i>IEEE Microwave and Wireless Components Letters</i> , 2018 , 28, 49-51	2.6	16
230	A $\{\text{Ka}\}$ -Band Dual-Mode Power Amplifier in 65-nm CMOS Technology. <i>IEEE Microwave and Wireless Components Letters</i> , 2018 , 28, 708-710	2.6	6
229	A 38-GHz High-Speed I/Q Modulator Using Weak-Inversion Biasing Modified Gilbert-Cell Mixer. <i>IEEE Microwave and Wireless Components Letters</i> , 2018 , 28, 822-824	2.6	5
228	Design and Analysis of W-Band Injection-Locked Frequency Divider Using Split Transformer-Coupled Oscillator Technique. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2018 , 66, 177-186	4.1	7
227	Design of a 60-GHz High-Output Power Stacked-FET Power Amplifier Using Transformer-Based Voltage-Type Power Combining in 65-nm CMOS. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2018 , 1-13	4.1	18
226	36-40 GHz Tx/Rx Beamformers for 5G mm-Wave Phased-Array 2018 ,		5
225	A 2.5-31-GHz High Gain LNA in 0.15- μm GaAs pHEMT for Radio Astronomical Application 2018 ,		1
224	A 24-GHz High Linearity Down-conversion Mixer in 90-nm CMOS 2018 ,		1
223	Review of Millimeter-Wave CMOS Power Amplifiers 2018 ,		2
222	A Ka-Band Transformer-Based Doherty Power Amplifier for Multi-Gb/s Application in 90-nm CMOS. <i>IEEE Microwave and Wireless Components Letters</i> , 2018 , 28, 1134-1136	2.6	16

221	An E-Band Variable Gain Low Noise Amplifier in 90-nm CMOS Process Using Body-Floating and Noise Reduction Techniques 2018 ,	1
220	A K-Band Power Amplifier with 26-dBm Output Power and 34% PAE with Novel Inductance-based Neutralization in 90-nm CMOS 2018 ,	12
219	A 0.38-V, Sub-mW 5-GHz Low Noise Amplifier with 43.6% Bandwidth for Next Generation Radio Astronomical Receivers in 90-nm CMOS 2018 ,	3
218	A High LO-to-RF Isolation 3453 GHz Cascode Mixer for ALMA Observatory Applications 2018 ,	2
217	A K-band transformer based power amplifier with 24.4-dBm output power and 28% PAE in 90-nm CMOS technology 2017 ,	10
216	A 360 GHz full 360° ultra-low phase error passive phase shifter with a novel phase compensation technique 2017 ,	2
215	A compact and low DC power distributed amplifier with cascaded gain stages using signal-reused technique in 0.18- μ m CMOS 2017 ,	1
214	An ultra-broadband low noise amplifier in GaAs 0.1- μ m pHEMT process for radio astronomy application 2017 ,	3
213	A 38-GHz Up-conversion sub-harmonic mixer with buffer amplifier in 65-nm CMOS process 2017 ,	6
212	A duplexing hybrid antenna design for full-duplex applications 2017 ,	1
211	A 4.6-GHz Class-F _{II} high power CMOS power amplifier 2017 ,	1
210	A V-band power amplifier with transformer combining and neutralization technique in 40-nm CMOS 2017 ,	2
209	A 360 GHz full 360° ultra-low phase error passive phase shifter with a novel phase compensation technique 2017 ,	1
208	A 38-GHz power amplifier with high efficiency and low quiescent power for phased array applications in 65-nm CMOS process 2017 ,	1
207	A 60-GHz 20.6-dBm symmetric radial-combining wideband power amplifier with 20.3% peak PAE and 20-dB gain in 90-nm CMOS 2016 ,	4
206	Design of a $\sqrt{2}$ -Band 20-dBm Wideband Power Amplifier Using Transformer-Based Radial Power Combining in 90-nm CMOS. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016 , 64, 4545-4560 ⁴⁻¹	35
205	A Novel 3000-GHz Singly Balanced Mixer With Broadband LO/IF. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016 , 64, 4611-4623 ⁴⁻¹	13
204	180020 GHz MMIC amplifier using 70-nm GaAs MHEMT technology 2016 ,	3

203	Bee Searching Radar With High Transmit/Receive Isolation Using Pulse Pseudorandom Code. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016 , 64, 4324-4335	4.1	6
202	A 35.7/4.2 GHz low power Miller Divider with Weak Inversion Mixer in 65 nm CMOS. <i>IEEE Microwave and Wireless Components Letters</i> , 2016 , 26, 948-950	2.6	13
201	A high image rejection E-band sub-harmonic IQ demodulator with low power consumption in 90-nm CMOS process 2016 ,		1
200	A 57/8 GHz Frequency Tripler MMIC in 65-nm CMOS. <i>IEEE Microwave and Wireless Components Letters</i> , 2016 , 26, 723-725	2.6	18
199	A 77-GHz 2T6R Transceiver With Injection-Lock Frequency Sextupler Using 65-nm CMOS for Automotive Radar System Application. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016 , 64, 3031-3048	4.1	37
198	5-GHz transformer combined class-F ₁ power amplifier 2016 ,		1
197	A Q-band LNA with 55.7% bandwidth for radio astronomy applications in 0.15- μ m GaAs pHEMT process 2016 ,		6
196	Design and Analysis of 24-GHz Active Isolator and Quasi-Circulator. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2015 , 63, 2638-2649	4.1	41
195	A high-gain low-noise distributed amplifier with low DC power in 0.18- μ m CMOS for vital sign detection radar 2015 ,		3
194	High gain fully on-chip LNAs with wideband input matching in 0.15- μ m GaAs pHEMT for radio astronomical telescope 2015 ,		2
193	Portable 9.4/18.8 GHz harmonic radar system using pulse Pseudorandom code principle 2015 ,		6
192	A W-band LO-chain with injection-locked frequency sextupler and medium power amplifier using 65-nm CMOS technology for automotive radar applications 2015 ,		3
191	A high gain broadband LNA in GaAs 0.15- μ m pHEMT process using inductive feedback gain compensation for radio astronomy applications 2015 ,		5
190	A high performance DC-80 GHz distributed amplifier in 40-nm CMOS digital process 2014 ,		1
189	Signal processing for harmonic pulse radar based on spread spectrum technology. <i>IET Radar, Sonar and Navigation</i> , 2014 , 8, 242-250	1.4	10
188	A 60 GHz Low Phase Variation Variable Gain Amplifier in 65 nm CMOS. <i>IEEE Microwave and Wireless Components Letters</i> , 2014 , 24, 457-459	2.6	24
187	A \mathbb{W} -band High LO-to-RF Isolation Triple Cascode Mixer With Wide IF Bandwidth. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2014 , 62, 1506-1514	4.1	9
186	A high gain E-band MMIC LNA in GaAs 0.1- μ m pHEMT process for radio astronomy applications 2014 ,		2

185	Advances in Silicon Based Millimeter-Wave Monolithic Integrated Circuits. <i>Micromachines</i> , 2014 , 5, 1373-1415	2
184	Review on microwave/millimeter-wave systems for vital sign detection 2014 ,	3
183	A 53 to 84 GHz CMOS power amplifier with 10.8-dBm output power and 31 GHz 3-dB bandwidth 2014 ,	1
182	1024-QAM High Image Rejection S-Band Sub-Harmonic IQ Modulator and Transmitter in 65-nm CMOS Process. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2013 , 61, 3974-3985	4.1 33
181	A 60 GHz low noise amplifier with built-in linearizer 2013 ,	3
180	A K-band compact fully integrated transformer power amplifier in 0.18- μm CMOS 2013 ,	6
179	V-Band High Data-Rate I/Q Modulator and Demodulator With a Power-Locked Loop LO Source in 0.15- μm GaAs pHEMT Technology. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2013 , 61, 2670-2684	4.1 11
178	Broadband Balanced Frequency Doublers With Fundamental Rejection Enhancement Using a Novel Compensated Marchand Balun. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2013 , 61, 1913-1923	4.1 48
177	Corrections to "A novel distributed amplifier with high gain, low noise, and high output power in 18- μm cmos technology" [Apr 13 1533-1542]. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2013 , 61, 2747-2747	4.1 1
176	A 90-GHz power amplifier with 18-dBm output power and 26 GHz 3-dB bandwidth in standard RF 65-nm CMOS technology 2013 ,	7
175	Millimeter-Wave CMOS Power Amplifiers With High Output Power and Wideband Performances. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2013 , 61, 4520-4533	4.1 71
174	A Novel Distributed Amplifier With High Gain, Low Noise, and High Output Power in $0.18\text{-}\mu\text{m}$ CMOS Technology. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2013 , 61, 1533-1542	4.1 42
173	A V-Band On-Wafer Near-Field Antenna Measurement System Using an IC Probe Station. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 2058-2067	4.9 26
172	A Wide Gain Control Range V-Band CMOS Variable-Gain Amplifier With Built-In Linearizer. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2013 , 61, 902-913	4.1 15
171	An ultra low-power Q-band LNA with 50% bandwidth in WIN GaAs 0.1- μm pHEMT process 2013 ,	5
170	A High-Range-Accuracy and High-Sensitivity Harmonic Radar Using Pulse Pseudorandom Code for Bee Searching. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2013 , 61, 666-675	4.1 49
169	A 178.5 GHz Broadband, High Efficiency PHEMT Power Amplifier Using Synthesized Transformer Matching Technique. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2012 , 60, 112-119	4.1 23
168	Analysis of a New 33.8-GHz Doubly Balanced Drain Mixer in 90-nm CMOS Technology. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2012 , 60, 1057-1068	4.1 11

167	A Fully SiP Integrated ν -Band Butler Matrix End-Fire Beam-Switching Transmitter Using Flip-Chip Assembled CMOS Chips on LTCC. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2012 , 60, 1424-1436	4.1	18
166	MM-Wave Integration and Combinations. <i>IEEE Microwave Magazine</i> , 2012 , 13, 49-57	1.2	7
165	A W-band power amplifier in 65-nm CMOS with 27GHz bandwidth and 14.8dBm saturated output power 2012 ,		14
164	A 1.2V broadband D-band power amplifier with 13.2-dBm output power in standard RF 65-nm CMOS 2012 ,		1
163	Design and Analysis of Down-Conversion Gate/Base-Pumped Harmonic Mixers Using Novel Reduced-Size 180° Hybrid With Different Input Frequencies. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2012 , 60, 2473-2485	4.1	17
162	60-GHz Four-Element Phased-Array Transmit/Receive System-in-Package Using Phase Compensation Techniques in 65-nm Flip-Chip CMOS Process. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2012 , 60, 743-756	4.1	113
161	Flip-Chip-Assembled ν -Band CMOS Chip Modules on Ceramic Integrated Passive Device With Transition Compensation for Millimeter-Wave System-in-Package Integration. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2012 , 60, 766-777	4.1	27
160	Analysis and Design of Millimeter-Wave Low-Voltage CMOS Cascode LNA With Magnetic Coupled Technique. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2012 , 60, 4066-4079	4.1	42
159	Bidirectional Diode-Triggered Silicon-Controlled Rectifiers for Low-Voltage ESD Protection. <i>IEEE Electron Device Letters</i> , 2012 , 33, 1360-1362	4.4	18
158	A 24-GHz low power and high isolation active quasi-circulator 2012 ,		4
157	Design and Analysis of Digital-Assisted Bandwidth-Enhanced Miller Divider in $0.18\text{-}\mu\text{m}$ CMOS Process. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2012 , 60, 3769-3777	4.1	8
156	A 24 GHz CMOS power amplifier using reversed body bias technique to improve linearity and power added efficiency 2012 ,		15
155	Novel MMIC Power Amplifier Linearization Utilizing Input Reflected Nonlinearity. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2012 , 60, 542-554	4.1	9
154	A Modified Wilkinson Power Divider With Isolation Bandwidth Improvement. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2012 , 60, 2768-2780	4.1	53
153	A 3085 GHz reduced-size modulator with low LO power using sub-harmonic pumping in 90-nm CMOS technology 2012 ,		2
152	Ultra broad band CMOS balanced amplifiers using quadrature power splitters on glass integrated passive device (GIPD) and LTCC with flip chip interconnects for SiP integration 2012 ,		6
151	A 1.2 V 1582 GHz low-power single-balanced gate mixer with a miniature rat-race hybrid. <i>International Journal of Microwave and Wireless Technologies</i> , 2012 , 4, 455-461	0.8	
150	A 60 GHz Sub-Harmonic Resistive FET Mixer Using $0.13\ \mu\text{m}$ CMOS Technology. <i>IEEE Microwave and Wireless Components Letters</i> , 2011 , 21, 562-564	2.6	9

149	Analysis and Design of Millimeter-Wave Low-Power CMOS LNA With Transformer-Multicascode Topology. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2011 , 59, 3441-3454	4.1	26
148	Design and Analysis of Novel Linearization Technique of Cascode Cell in a 60-GHz CMOS Demodulator. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2011 , 59, 456-465	4.1	12
147	A 60-GHz Frequency Tripler With Gain and Dynamic-Range Enhancement. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2011 , 59, 660-671	4.1	19
146	Novel High Robustness RF ESD Protection Circuits Applied to 5.8-GHz GaAs-Based HBT Amplifiers. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2011 , 59, 687-698	4.1	2
145	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2011 , 59, 2919-2930	4.1	2
144	A 60 GHz Broadband Low-Noise Amplifier With Variable-Gain Control in 65 nm CMOS. <i>IEEE Microwave and Wireless Components Letters</i> , 2011 , 21, 610-612	2.6	25
143	A 57-66 GHz Vector Sum Phase Shifter with Low Phase/Amplitude Error Using a Wilkinson Power Divider with LHTL/RHTL Elements 2011 ,		6
142	A W-band image reject mixer for astronomical observation system 2011 ,		1
141	A 22.1 GHz Distributed Amplifier Based on High-Pass Transmission Lines Using 0.18 μm CMOS Technology. <i>IEEE Microwave and Wireless Components Letters</i> , 2011 , 21, 160-162	2.6	20
140	K-band CMOS power amplifier with adaptive bias for enhancement in back-off efficiency 2011 ,		1
139	A 15-50 GHz broadband resistive FET ring mixer using 0.18- μm CMOS technology 2010 ,		13
138	A 22-dBm 24-GHz power amplifier using 0.18- μm CMOS technology 2010 ,		6
137	Focused Issue on RFIC [From the Guest Editor's Desk]. <i>IEEE Microwave Magazine</i> , 2010 , 11, 10-26	1.2	
136	A 47 GHz Darlington Cascode Broadband Medium Power Amplifier in 0.18- μm CMOS Technology. <i>IEEE Microwave and Wireless Components Letters</i> , 2010 , 20, 43-45	2.6	23
135	Ku-band phase shifter based on injection locked voltage oscillator 2010 ,		2
134	W-band flip-chip assembled CMOS amplifier with transition compensation network for SiP integration 2010 ,		1
133	A High-Efficiency, Broadband CMOS Power Amplifier for Cognitive Radio Applications. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2010 ,	4.1	14
132	A 22.5-dB gain, 20.1-dBm output power K-band power amplifier in 0.18- μm CMOS 2010 ,		5

131	A 60–10 GHz Transmission-Line Integrated SPDT Switch in 90 nm CMOS Technology. <i>IEEE Microwave and Wireless Components Letters</i> , 2010 , 20, 85-87	2.6	23
130	60 GHz Double-Balanced Gate-Pumped Down-Conversion Mixers With a Combined Hybrid on 130 nm CMOS Processes. <i>IEEE Microwave and Wireless Components Letters</i> , 2010 , 20, 160-162	2.6	9
129	A High Gain, High Power K-Band Frequency Doubler in 0.18 μm CMOS Process. <i>IEEE Microwave and Wireless Components Letters</i> , 2010 , 20, 522-524	2.6	10
128	A miniature switching phase shifter in 0.18- μm CMOS 2009 ,		4
127	A compact low DC consumption 24-GHz Cascode HEMT VGA 2009 ,		2
126	Design and Analysis for a 60-GHz Low-Noise Amplifier With RF ESD Protection. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2009 , 57, 298-305	4.1	34
125	Design and Analysis of a 0.8–7.5-GHz Ultra-Broadband Distributed Drain Mixer Using 0.13- μm CMOS Technology. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2009 , 57, 562-572	4.1	25
124	Design and Analysis of a 55–1-GHz Compact and Broadband Distributed Active Transformer Power Amplifier in 90-nm CMOS Process. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2009 , 57, 1637-1646	4.1	68
123	Analysis and Design of Reduced-Size Marchand Rat-Race Hybrid for Millimeter-Wave Compact Balanced Mixers in 130-nm CMOS Process. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2009 , 57, 1966-1977	4.1	21
122	Ring-Based Triple-Push VCOs With Wide Continuous Tuning Ranges. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2009 , 57, 2173-2183	4.1	14
121	A Wide Tuning Range Voltage Controlled Oscillator Using Common-Base Configuration and Inductive Feedback. <i>IEEE Microwave and Wireless Components Letters</i> , 2009 , 19, 653-655	2.6	7
120	Millimeter-Wave Low Power and Miniature CMOS Multicascode Low-Noise Amplifiers with Noise Reduction Topology. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2009 , 57, 3049-3059	4.1	60
119	MMICs in the millimeter-wave regime. <i>IEEE Microwave Magazine</i> , 2009 , 10, 99-117	1.2	28
118	A 240 GHz Active Balun Using 0.13 μm CMOS Process. <i>IEEE Microwave and Wireless Components Letters</i> , 2009 , 19, 164-166	2.6	30
117	Design and Analysis of CMOS Frequency Dividers With Wide Input Locking Ranges. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2009 , 57, 3060-3069	4.1	31
116	A 24 GHz low power VCO with transformer feedback 2009 ,		2
115	A 71–6 GHz chip set for wireless communication in 65-nm CMOS technology 2009 ,		3
114	A 98/196 GHz Low Phase Noise Voltage Controlled Oscillator With a Mode Selector Using a 90 nm CMOS Process. <i>IEEE Microwave and Wireless Components Letters</i> , 2009 , 19, 170-172	2.6	12

113	A 50 to 70 GHz Power Amplifier Using 90 nm CMOS Technology. <i>IEEE Microwave and Wireless Components Letters</i> , 2009 , 19, 45-47	2.6	26
112	A miniature Q-band CMOS LNA with triple-cascode topology 2009 ,		3
111	Novel Miniature and Broadband Millimeter-Wave Monolithic Star Mixers. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2008 , 56, 793-802	4.1	35
110	Topology Analysis and Design of Passive HEMT Millimeter-Wave Multiple-Port Switches. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2008 , 56, 1545-1554	4.1	8
109	A DC-11.5 GHz Low-Power, Wideband Amplifier Using Splitting-Load Inductive Peaking Technique. <i>IEEE Microwave and Wireless Components Letters</i> , 2008 , 18, 482-484	2.6	52
108	A Novel Reduced-Size Rat-Race Broadside Coupler and Its Application for CMOS Distributed Sub-Harmonic Mixer. <i>IEEE Microwave and Wireless Components Letters</i> , 2008 , 18, 194-196	2.6	11
107	A 21 GHz Complementary Transformer Coupled CMOS VCO. <i>IEEE Microwave and Wireless Components Letters</i> , 2008 , 18, 278-280	2.6	35
106	A V-Band Fully-Integrated CMOS Distributed Active Transformer Power Amplifier for 802.15.TG3c Wireless Personal Area Network Applications. <i>Compound Semiconductor Integrated Circuit Symposium (CSICS)</i> , <i>IEEE</i> , 2008 ,		5
105	A 71.6 GHz CMOS variable gain amplifier using current steering technique 2008 ,		1
104	A 30.100 GHz Wideband Sub-Harmonic Active Mixer in 90 nm CMOS Technology. <i>IEEE Microwave and Wireless Components Letters</i> , 2008 , 18, 554-556	2.6	40
103	A 60-GHz Single-Chip Transceiver for WPAN Applications 2008 ,		4
102	40-48 GHz Sub-harmonic Transceiver for High Data-Rate Communication System Applications 2008 ,		1
101	A 50 GHz Divide-by-4 Injection Lock Frequency Divider Using Matching Method. <i>IEEE Microwave and Wireless Components Letters</i> , 2008 , 18, 344-346	2.6	24
100	A 86 to 108 GHz Amplifier in 90 nm CMOS. <i>IEEE Microwave and Wireless Components Letters</i> , 2008 , 18, 124-126	2.6	30
99	A 1.5-1.6 GHz Monolithic Active Quasi-Circulator in 0.18 μm CMOS Technology. <i>IEEE Microwave and Wireless Components Letters</i> , 2008 , 18, 797-799	2.6	34
98	A Compact 60 GHz Integrated Up-Converter Using Miniature Transformer Couplers With 5 dB Conversion Gain. <i>IEEE Microwave and Wireless Components Letters</i> , 2008 , 18, 641-643	2.6	15
97	A 19.1-dBm Fully-Integrated 24 GHz Power Amplifier Using 0.18- μm CMOS Technology 2008 ,		1
96	THE YUAN TSEH LEE AMiBA PROJECT. <i>Modern Physics Letters A</i> , 2008 , 23, 1243-1251	1.3	2

95	A GaAs-based HBT 31-GHz frequency doubler with an on-chip voltage 2008 ,		1
94	A W-Band Medium Power Amplifier in 90 nm CMOS. <i>IEEE Microwave and Wireless Components Letters</i> , 2008 , 18, 818-820	2.6	36
93	Low Insertion-Loss Single-PoleDouble-Throw Reduced-Size Quarter-Wavelength HEMT Bandpass Filter Integrated Switches. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2008 , 56, 3028-3038	4.1	14
92	A 14~23 GHz CMOS MMIC distributed doubler with a 22-dB fundamental rejection 2008 ,		4
91	A 19.1-dBm Fully-Integrated 24 GHz Power Amplifier Using 0.18- μm CMOS Technology 2008 ,		4
90	A 40-to-76 GHz Balanced Distributed Doubler in 0.13- μm CMOS Technology 2008 ,		3
89	A 41 GHz Singly Balanced Distributed Mixer Using GaAs pHEMT Technology. <i>IEEE Microwave and Wireless Components Letters</i> , 2007 , 17, 136-138	2.6	11
88	An HBT Four-Cell Monolithic Stacked Power Amplifier 2007 ,		3
87	A 66~72 GHz divide-by-3 injection-locked frequency divider in 0.13- μm CMOS technology 2007 ,		8
86	Design and Analysis of Stacked Power Amplifier in Series-Input and Series-Output Configuration. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2007 , 55, 2802-2812	4.1	25
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15	A compact 35-65 GHz up-conversion mixer with integrated broadband transformers in 0.18- μm /m SiGe BiCMOS technology		5
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13	A low-voltage fully-integrated 4.5-6-GHz CMOS variable gain low noise amplifier		4
12	A broadband HBT MMIC IQ modulator and millimeter-wave vector signal characterization		2
11	A 0.1-23-GHz SiGe BiCMOS analog multiplier and mixer based on attenuation-compensation technique		3
10	A 0.6-22-GHz broadband CMOS distributed amplifier		3
9	Novel high gain and broadband GaAs MMIC distributed amplifiers with traveling-wave gain stages		2
8	A broadband medium power amplifier for millimeter-wave applications		2
7	A miniature low-insertion-loss, high-power CMOS SPDT switch using floating-body technique for 2.4- and 5.8-GHz applications		6
6	A V-Band MMIC SPDT passive HEMT switch using impedance transformation networks		3

5	A 39-46 GHz MMIC HBT triple-push VCO using cascode configuration	4
4	A 3-33 GHz PHEMT MMIC distributed drain mixer	8
3	A 5.8-GHz two-stage high-linearity low-voltage low noise amplifier in a 0.35- μm CMOS technology [WLANS]	1
2	A novel triple-push oscillator approach	2
1	Ka-band monolithic GaAs PHEMT circuits for transceiver applications	5