

Huei Wang

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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	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
255	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
254	Design and Analysis of a 55-71-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
253	A 50 to 94-GHz CMOS SPDT Switch Using Traveling-Wave Concept. <i>IEEE Microwave and Wireless Components Letters</i> , 2007 , 17, 130-132	2.6	63
252	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
251	A 5-GHz low phase noise differential colpitts CMOS VCO. <i>IEEE Microwave and Wireless Components Letters</i> , 2005 , 15, 327-329	2.6	57
250	A 24-GHz 3.9-dB NF low-noise amplifier using 0.18- μm CMOS technology. <i>IEEE Microwave and Wireless Components Letters</i> , 2005 , 15, 448-450	2.6	57
249	Electronically Switchable Bandpass Filters Using Loaded Stepped-Impedance Resonators. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2006 , 54, 4193-4201	4.1	54
248	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
247	Analysis of Multiconductor Coupled-Line Marchand Baluns for Miniature MMIC Design. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2007 , 55, 1190-1199	4.1	53
246	A 0.3-25-GHz ultra-wideband mixer using commercial 0.18- μm CMOS technology. <i>IEEE Microwave and Wireless Components Letters</i> , 2004 , 14, 522-524	2.6	53
245	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
244	Millimeter-wave MMIC passive HEMT switches using traveling-wave concept. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2004 , 52, 1798-1808	4.1	50
243	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
242	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
241	An analysis of miniaturized dual-mode bandpass filter structure using shunt-capacitance perturbation. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2005 , 53, 861-867	4.1	44
240	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

239	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
238	Power-amplifier modules covering 70-113 GHz using MMICs. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2001 , 49, 9-16	4.1	42
237	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
236	Design and analysis of DC-to-14-GHz and 22-GHz CMOS cascode. <i>IEEE Journal of Solid-State Circuits</i> , 2004 , 39, 1370-1374	5.5	41
235	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
234	Compact and broad-band millimeter-wave monolithic transformer balanced mixers. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2005 , 53, 3106-3114	4.1	40
233	Triple-push oscillator approach: theory and experiments. <i>IEEE Journal of Solid-State Circuits</i> , 2001 , 36, 1472-1479	5.5	40
232	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1995 , 43, 1659-1668	4.1	39
231	A miniature broad-band pHEMT MMIC balanced distributed doubler. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2003 , 51, 1257-1261	4.1	38
230	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
229	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
228	Design of a ν -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
227	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
226	A 21 GHz Complementary Transformer Coupled CMOS VCO. <i>IEEE Microwave and Wireless Components Letters</i> , 2008 , 18, 278-280	2.6	35
225	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
224	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
223	A Low Power Folded Mixer for UWB System Applications in 0.18- μm CMOS Technology. <i>IEEE Microwave and Wireless Components Letters</i> , 2007 , 17, 367-369	2.6	34
222	1024-QAM High Image Rejection ν -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

221	A miniature 25-GHz 9-dB CMOS cascaded single-stage distributed amplifier. <i>IEEE Microwave and Wireless Components Letters</i> , 2004 , 14, 554-556	2.6	32
220	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
219	A Low-Power 114-GHz Push-Push CMOS VCO Using LC Source Degeneration. <i>IEEE Journal of Solid-State Circuits</i> , 2007 , 42, 1230-1239	5.5	31
218	A miniature Q-band low noise amplifier using 0.13- μm CMOS technology. <i>IEEE Microwave and Wireless Components Letters</i> , 2006 , 16, 327-329	2.6	31
217	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
216	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
215	A noise optimization formulation for CMOS low-noise amplifiers with on-chip low-Q inductors. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2006 , 54, 1554-1560	4.1	30
214	Analysis and Design of Bandpass Single-Pole Double-Throw FET Filter-Integrated Switches. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2007 , 55, 1601-1610	4.1	29
213	A W-band subharmonically pumped monolithic GaAs-based HEMT gate mixer. <i>IEEE Microwave and Wireless Components Letters</i> , 2004 , 14, 313-315	2.6	29
212	MMICs in the millimeter-wave regime. <i>IEEE Microwave Magazine</i> , 2009 , 10, 99-117	1.2	28
211	Flip-Chip-Assembled W -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
210	Design and analysis of a 44-GHz MMIC low-loss built-in linearizer for high-linearity medium power amplifiers. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2006 , 54, 2487-2496	4.1	27
209	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
208	Analysis and Design of Millimeter-Wave Low-Power CMOS LNA With Transformer-Multicascade Topology. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2011 , 59, 3441-3454	4.1	26
207	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
206	A 77-GHz MMIC power amplifier for automotive radar applications. <i>IEEE Microwave and Wireless Components Letters</i> , 2003 , 13, 143-145	2.6	26
205	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
204	Design and Analysis of a 0.875-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

203	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
202	Broad-band HBT BPSK and IQ modulator MMICs and millimeter-wave vector signal characterization. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2004 , 52, 908-919	4.1	25
201	A 1-17-GHz InGaP-GaAs HBT MMIC analog multiplier and mixer with broad-band input-matching networks. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2002 , 50, 2564-2568	4.1	25
200	Millimeter-wave MMIC single-pole-double-throw passive HEMT switches using impedance-transformation networks. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2003 , 51, 1076-1085	4.1	25
199	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
198	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
197	A 17.5 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
196	A 4.7 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
195	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
194	Phase-Noise Reduction of X-Band Push-Push Oscillator With Second-Harmonic Self-Injection Techniques. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2007 , 55, 66-77	4.1	23
193	A low-voltage and variable-gain distributed amplifier for 3.1-10.6 GHz UWB systems. <i>IEEE Microwave and Wireless Components Letters</i> , 2006 , 16, 179-181	2.6	23
192	Design and analysis of novel high-gain and broad-band GaAs pHEMT MMIC distributed amplifiers with traveling-wave gain stages. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2003 , 51, 2188-2196	4.1	22
191	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
190	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
189	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
188	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
187	FET-integrated CPW and the application in filter synthesis design method on traveling-wave switch above 100 GHz. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2006 , 54, 2090-2097	4.1	19
186	A harmonic injection-locked frequency divider in 0.18- μm SiGe BiCMOS. <i>IEEE Microwave and Wireless Components Letters</i> , 2006 , 16, 561-563	2.6	19

185	A 180-GHz monolithic sub-harmonic InP-based HEMT diode mixer 1999 , 9, 529-531		19
184	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
183	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
182	Bidirectional Diode-Triggered Silicon-Controlled Rectifiers for Low-Voltage ESD Protection. <i>IEEE Electron Device Letters</i> , 2012 , 33, 1360-1362	4.4	18
181	40-GHz MMIC SPDT and Multiple-Port Bandpass Filter-Integrated Switches. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2007 , 55, 2691-2699	4.1	18
180	A Fundamental 90-GHz CMOS VCO Using New Ring-Coupled Quad. <i>IEEE Microwave and Wireless Components Letters</i> , 2007 , 17, 226-228	2.6	18
179	K-band MMIC active band-pass filters. <i>IEEE Microwave and Wireless Components Letters</i> , 2005 , 15, 19-21	2.6	18
178	K-band HBT and HEMT monolithic active phase shifters using vector sum method. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2004 , 52, 1414-1424	4.1	18
177	A 78-114 GHz monolithic subharmonically pumped GaAs-based HEMT diode mixer. <i>IEEE Microwave and Wireless Components Letters</i> , 2002 , 12, 209-211	2.6	18
176	A broadband PHEMT MMIC distributed doubler using high-pass drain line topology. <i>IEEE Microwave and Wireless Components Letters</i> , 2004 , 14, 201-203	2.6	18
175	A 57-88 GHz Frequency Tripler MMIC in 65-nm CMOS. <i>IEEE Microwave and Wireless Components Letters</i> , 2016 , 26, 723-725	2.6	18
174	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
173	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
172	A 131 GHz push-push VCO in 90-nm CMOS technology		16
171	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
170	A 24 GHz CMOS power amplifier using reversed body bias technique to improve linearity and power added efficiency 2012 ,		15
169	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
168	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

167	A W-band power amplifier in 65-nm CMOS with 27GHz bandwidth and 14.8dBm saturated output power 2012 ,		14
166	A High-Efficiency, Broadband CMOS Power Amplifier for Cognitive Radio Applications. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2010 ,	4.1	14
165	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
164	Low Insertion-Loss Single-Pole Double-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
163	A 46-GHz Direct Wide Modulation Bandwidth ASK Modulator in 0.13- μm CMOS Technology. <i>IEEE Microwave and Wireless Components Letters</i> , 2007 , 17, 691-693	2.6	14
162	A 22-GHz push-push CMOS oscillator using micromachined inductors. <i>IEEE Microwave and Wireless Components Letters</i> , 2005 , 15, 859-861	2.6	14
161	A Novel 3090-GHz Singly Balanced Mixer With Broadband LO/IF. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016 , 64, 4611-4623	4.1	13
160	A 35.784.2 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
159	A 15-50 GHz broadband resistive FET ring mixer using 0.18- μm CMOS technology 2010 ,		13
158	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
157	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
156	A 7180 GHz Amplifier Using 0.13- μm CMOS Technology. <i>IEEE Microwave and Wireless Components Letters</i> , 2007 , 17, 685-687	2.6	12
155	A V-band quasi-optical GaAs HEMT monolithic integrated antenna and receiver front end. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2003 , 51, 2461-2468	4.1	12
154	A K-Band Power Amplifier with 26-dBm Output Power and 34% PAE with Novel Inductance-based Neutralization in 90-nm CMOS 2018 ,		12
153	Analysis of a New 3388-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
152	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
151	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
150	A 481 GHz Singly Balanced Distributed Mixer Using GaAs pHEMT Technology. <i>IEEE Microwave and Wireless Components Letters</i> , 2007 , 17, 136-138	2.6	11

149	A Band-Pass Filter-Integrated Switch Using Field-Effect Transistors and Its Power Analysis 2006 ,		11
148	A K-band transformer based power amplifier with 24.4-dBm output power and 28% PAE in 90-nm CMOS technology 2017 ,		10
147	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
146	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
145	A Ka-Band Stacked Power Amplifier with 24.8-dBm Output Power and 24.3% PAE in 65-nm CMOS Technology 2019 ,		9
144	A 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
143	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
142	A 60 GHz Sub-Harmonic Resistive FET Mixer Using 0.13 μm CMOS Technology. <i>IEEE Microwave and Wireless Components Letters</i> , 2011 , 21, 562-564	2.6	9
141	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
140	A 10.8-GHz CMOS Low-Noise Amplifier Using Parallel-Resonant Inductor 2007 ,		9
139	High-Q Micromachined Inductors for 10-to-30-GHz RFIC Applications on Low Resistivity Si-Substrate 2006 ,		9
138	A W-band GCPW MMIC Diode Tripler 2002 ,		9
137	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
136	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
135	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
134	A 66.2 GHz divide-by-3 injection-locked frequency divider in 0.13- μm CMOS technology 2007 ,		8
133	A new feedback method for power amplifier with unilateralization and improved output return loss. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2006 , 54, 1590-1597	4.1	8
132	A 3-33 GHz PHEMT MMIC distributed drain mixer		8

131	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
130	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
129	MM-Wave Integration and Combinations. <i>IEEE Microwave Magazine</i> , 2012 , 13, 49-57	1.2	7
128	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
127	A 45-GHz Quadrature Voltage Controlled Oscillator with a Reflection-Type IQ Modulator in 0.13- μ m CMOS Technology 2006 ,		7
126	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
125	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
124	A K_{a} -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
123	A K-band compact fully integrated transformer power amplifier in 0.18- μ m CMOS 2013 ,		6
122	A 38-GHz Up-conversion sub-harmonic mixer with buffer amplifier in 65-nm CMOS process 2017 ,		6
121	Portable 9.4/18.8 GHz harmonic radar system using pulse Pseudorandom code principle 2015 ,		6
120	A 22-dBm 24-GHz power amplifier using 0.18- μ m CMOS technology 2010 ,		6
119	A 57-66 GHz Vector Sum Phase Shifter with Low Phase/Amplitude Error Using a Wilkinson Power Divider with LH/RTL Elements 2011 ,		6
118	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
117	18-26 GHz low-noise amplifiers using 130- and 90-nm bulk CMOS technologies		6
116	A W-band high-power predistorted direct-conversion digital modulator for transmitter applications. <i>IEEE Microwave and Wireless Components Letters</i> , 2005 , 15, 600-602	2.6	6
115	A miniature low-insertion-loss, high-power CMOS SPDT switch using floating-body technique for 2.4- and 5.8-GHz applications		6
114	Highly Selective Microstrip Bandpass Filters in Ka-Band 2002 ,		6

113	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
112	A Q-band LNA with 55.7% bandwidth for radio astronomy applications in 0.15- μm GaAs pHEMT process 2016 ,		6
111	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
110	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
109	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
108	A high gain broadband LNA in GaAs 0.15- μm pHEMT process using inductive feedback gain compensation for radio astronomy applications 2015 ,		5
107	An ultra low-power Q-band LNA with 50% bandwidth in WIN GaAs 0.1- μm pHEMT process 2013 ,		5
106	A 22.5-dB gain, 20.1-dBm output power K-band power amplifier in 0.18- μm CMOS 2010 ,		5
105	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
104	Implementation of Reduced-Size Dual-Mode Ring Filters in LTCC and MMIC Processes at Millimeter Wave Frequencies 2006 ,		5
103	A K-band miniature, broadband, high output power HBT MMIC balanced doubler with integrated balun 2005 ,		5
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