

# Jinho Jeong

## List of Publications by Citations

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54  
papers

559  
citations

11  
h-index

22  
g-index

56  
ext. papers

703  
ext. citations

2.2  
avg. IF

4.19  
L-index

#	Paper	IF	Citations
54	A Watt-Level Stacked-FET Linear Power Amplifier in Silicon-on-Insulator CMOS. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2010</b> , 58, 57-64	4.1	151
53	Range-Adaptive Wireless Power Transfer Using Multiloop and Tunable Matching Techniques. <i>IEEE Transactions on Industrial Electronics</i> , <b>2015</b> , 62, 6233-6241	8.9	88
52	A 20 dBm Linear RF Power Amplifier Using Stacked Silicon-on-Sapphire MOSFETs. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2006</b> , 16, 684-686	2.6	33
51	H-Band Power Amplifier Integrated Circuits Using 250-nm InP HBT Technology. <i>IEEE Transactions on Terahertz Science and Technology</i> , <b>2015</b> , 5, 215-222	3.4	32
50	Compact Modified Wilkinson Power Divider With Physical Output Port Isolation. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2014</b> , 24, 845-847	2.6	25
49	Compact Two-Way and Four-Way Power Dividers Using Multi-Conductor Coupled Lines. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2011</b> , 21, 130-132	2.6	24
48	A 60 GHz Broadband Stacked FET Power Amplifier Using 130 nm Metamorphic HEMTs. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2011</b> , 21, 323-325	2.6	23
47	$N$ -Way Unequal Wilkinson Power Divider With Physical Output Port Separation. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2016</b> , 26, 243-245	2.6	19
46	A 18 GHz Broadband Stacked FET Power Amplifier Using 130 nm Metamorphic HEMTs. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2009</b> , 19, 828-830	2.6	13
45	Design Technique for Harmonic-Tuned RF Power Oscillators for High-Efficiency Operation. <i>IEEE Transactions on Industrial Electronics</i> , <b>2015</b> , 62, 221-228	8.9	12
44	$W$ -Band Multichannel FMCW Radar Sensor With Switching-TX Antennas. <i>IEEE Sensors Journal</i> , <b>2016</b> , 16, 5572-5582	4	11
43	Submillimeter-Wave Waveguide-to-Microstrip Transitions for Wide Circuits/Wafers. <i>IEEE Transactions on Terahertz Science and Technology</i> , <b>2017</b> , 7, 440-445	3.4	10
42	A Terahertz CMOS $\lambda$ -Shaped Patch Antenna with Defected Ground Structure. <i>Sensors</i> , <b>2018</b> , 18,	3.8	9
41	High Power Digitally-Controlled SOI CMOS Attenuator With Wide Attenuation Range. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2011</b> , 21, 433-435	2.6	9
40	A Broadband THz On-Chip Transition Using a Dipole Antenna with Integrated Balun. <i>Electronics (Switzerland)</i> , <b>2018</b> , 7, 236	2.6	9
39	Total Power Radiometer for Medical Sensor Applications Using Matched and Mismatched Noise Sources. <i>Sensors</i> , <b>2017</b> , 17,	3.8	8
38	Non-Contact Measurement of Human Respiration and Heartbeat Using W-band Doppler Radar Sensor. <i>Sensors</i> , <b>2020</b> , 20,	3.8	6

37	Design of Broadband W-Band Waveguide Package and Application to Low Noise Amplifier Module. <i>Electronics (Switzerland)</i> , <b>2019</b> , 8, 523	2.6	5
36	Design of an X-band Oscillator Using Novel Miniaturized Microstrip Hairpin Resonator <b>2007</b> ,		5
35	Reconfigurable un-equal division power divider with the compact size for high efficiency power amplifiers. <i>Microwave and Optical Technology Letters</i> , <b>2008</b> , 50, 1662-1665	1.2	5
34	Bit Parallel 6T SRAM In-memory Computing with Reconfigurable Bit-Precision <b>2020</b> ,		5
33	Submillimeter-wave InP HBT power amplifier using impedance-transforming two-way balun. <i>Microwave and Optical Technology Letters</i> , <b>2015</b> , 57, 1831-1834	1.2	4
32	Harmonic-Tuned High Efficiency RF Oscillator Using GaN HEMTs. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2012</b> , 22, 318-320	2.6	4
31	Design of high efficiency rectifier at 2.45 GHz using parasitic canceling circuit. <i>Microwave and Optical Technology Letters</i> , <b>2013</b> , 55, 608-611	1.2	4
30	Compact three-way planar power divider using five-conductor coupled line. <i>IEICE Electronics Express</i> , <b>2011</b> , 8, 1387-1392	0.5	4
29	V-band high-efficiency broadband power combiner and power-combining module using double antipodal finline transitions. <i>Electronics Letters</i> , <b>2003</b> , 39, 378	1.1	4
28	Full H-band waveguide-to-coupled microstrip transition using dipole antenna with directors. <i>IEICE Electronics Express</i> , <b>2017</b> , 14, 20170487-20170487	0.5	3
27	Broadband THz CMOS on-chip antenna using stacked resonators <b>2017</b> ,		3
26	New digital predistortion technique of RF power amplifiers for wideband OFDM signals. <i>IEICE Electronics Express</i> , <b>2012</b> , 9, 326-332	0.5	3
25	Tunable impedance transformer using multiconductor coupled lines. <i>Microwave and Optical Technology Letters</i> , <b>2012</b> , 54, 851-853	1.2	3
24	D-Band Frequency Tripler Module Using Anti-Parallel Diode Pair and Waveguide Transitions. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 1201	2.6	3
23	Doherty power amplifier with dynamic load modulation for wireless communications. <i>Microwave and Optical Technology Letters</i> , <b>2017</b> , 59, 2065-2070	1.2	2
22	Design of Cavity-Backed Bow-Tie Antenna with Matching Layer for Human Body Application. <i>Sensors</i> , <b>2019</b> , 19,	3.8	2
21	\$W\\$\$ -Band Mixer With High Image Rejection by Mismatch Compensation Using Buffer Amplifier. <i>IEEE Access</i> , <b>2020</b> , 8, 5824-5833	3.5	2
20	Linearization of stacked-fet RF CMOS power amplifier using diode-integrated bias circuit. <i>Microwave and Optical Technology Letters</i> , <b>2013</b> , 55, 1011-1014	1.2	2

19	Efficiency enhancement of W-CDMA base-station envelope tracking power amplifiers via load modulation. <i>Microwave and Optical Technology Letters</i> , <b>2007</b> , 49, 1954-1957	1.2	2
18	THz CMOS On-Chip Antenna Array Using Defected Ground Structure. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 1137	2.6	2
17	High efficiency radio frequency power amplifier with dynamic load modulation for wireless communications. <i>Microwave and Optical Technology Letters</i> , <b>2016</b> , 58, 2717-2722	1.2	2
16	H-Band InP HBT Frequency Tripler Using the Triple-Push Technique. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 2081	2.6	1
15	W-band power amplifier using broadband impedance-transforming coupled line couplers. <i>Microwave and Optical Technology Letters</i> , <b>2015</b> , 57, 803-806	1.2	1
14	WIDE dynamic range low noise amplifier module for Ka-band radar applications. <i>Microwave and Optical Technology Letters</i> , <b>2012</b> , 54, 1031-1035	1.2	1
13	A distributed amplifier with 12.5-dB gain and 82.5-GHz bandwidth using 0.1 $\mu\text{m}$ GaAs metamorphic HEMTs. <i>Microwave and Optical Technology Letters</i> , <b>2007</b> , 49, 2873-2875	1.2	1
12	W-Band 4-Way Waveguide Power Combiner Using Perpendicular Mode Conversion. <i>The Journal of Korean Institute of Electromagnetic Engineering and Science</i> , <b>2021</b> , 32, 353-359	0.3	1
11	An Even/Odd Error Detection Based Low-Complexity Chase Decoding for Low-Latency RS Decoder Design. <i>IEEE Communications Letters</i> , <b>2021</b> , 25, 1505-1509	3.8	1
10	Design of W-Band GaN-on-Silicon Power Amplifier Using Low Impedance Lines. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 9017	2.6	1
9	T-shaped double-strip spoof surface plasmon polariton transmission lines and application to microwave resonators.. <i>Scientific Reports</i> , <b>2022</b> , 12, 7585	4.9	1
8	Low-IF noise characteristics of W-band resistive and diode mixers. <i>Microwave and Optical Technology Letters</i> , <b>2017</b> , 59, 275-278	1.2	
7	Design of high-isolation Ka-band switch using coupled lines. <i>Microwave and Optical Technology Letters</i> , <b>2012</b> , 54, 2528-2530	1.2	
6	K-band watt-level mHEMT power amplifier using quadruple-stacked transistors. <i>Microwave and Optical Technology Letters</i> , <b>2012</b> , 54, 2624-2626	1.2	
5	Highly-integrable K-band power dividers based on digital CMOS technology. <i>IEICE Electronics Express</i> , <b>2011</b> , 8, 114-120	0.5	
4	Wideband impedance-transforming three-port power divider using lumped elements. <i>Microwave and Optical Technology Letters</i> , <b>2009</b> , 51, 2570-2573	1.2	
3	C-band high power and high efficiency harmonic-tuned oscillator. <i>Microwave and Optical Technology Letters</i> , <b>2016</b> , 58, 2281-2285	1.2	
2	Design of high-power W-band push-push oscillators using load-pull technique. <i>Microwave and Optical Technology Letters</i> , <b>2018</b> , 60, 2630-2634	1.2	

- 1 Rectangular Waveguide-Based W-Band Eight-Way Radial Power Combiner. *The Journal of Korean Institute of Electromagnetic Engineering and Science*, **2022**, 33, 181-189 0.3