

Ernesto Limiti

List of Publications by Citations

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329
papers

3,708
citations

31
h-index

48
g-index

429
ext. papers

5,261
ext. citations

2.3
avg, IF

5.88
L-index

#	Paper	IF	Citations
329	2009,		179
328	. <i>IEEE Access</i> , 2020 , 8, 192965-193004	3.5	124
327	Accurate Multibias Equivalent-Circuit Extraction for GaN HEMTs. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2006 , 54, 3616-3622	4.1	107
326	. <i>IEEE Access</i> , 2020 , 8, 144778-144808	3.5	93
325	Mutual Coupling Suppression Between Two Closely Placed Microstrip Patches Using EM-Bandgap Metamaterial Fractal Loading. <i>IEEE Access</i> , 2019 , 7, 23606-23614	3.5	79
324	On the class-F power amplifier design. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 1999 , 9, 129-149	1.5	72
323	Study on isolation improvement between closely-packed patch antenna arrays based on fractal metamaterial electromagnetic bandgap structures. <i>IET Microwaves, Antennas and Propagation</i> , 2018 , 12, 2241-2247	1.6	71
322	. <i>IEEE Access</i> , 2019 , 7, 51827-51840	3.5	67
321	. <i>IEEE Transactions on Electron Devices</i> , 2013 , 60, 3238-3248	2.9	67
320	An approach to harmonic load- and source-pull measurements for high-efficiency PA design. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2004 , 52, 191-198	4.1	66
319	Enhanced surface transfer doping of diamond by V2O5 with improved thermal stability. <i>Applied Physics Letters</i> , 2016 , 108, 042103	3.4	65
318	Comparative investigation of surface transfer doping of hydrogen terminated diamond by high electron affinity insulators. <i>Journal of Applied Physics</i> , 2016 , 120, 025104	2.5	54
317	Multiharmonic manipulation for highly efficient microwave power amplifiers. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2001 , 11, 366-384	1.5	52
316	A C-band high-efficiency second-harmonic-tuned hybrid power amplifier in GaN technology. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2006 , 54, 2713-2722	4.1	50
315	High-Isolation Leaky-Wave Array Antenna Based on CRLH-Metamaterial Implemented on SIW with β 300 Frequency Beam-Scanning Capability at Millimetre-Waves. <i>Electronics (Switzerland)</i> , 2019 , 8, 642	2.6	46
314	High efficiency low-voltage power amplifier design by second-harmonic manipulation. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2000 , 10, 19-32	1.5	45
313	Beam-scanning leaky-wave antenna based on CRLH-metamaterial for millimetre-wave applications. <i>IET Microwaves, Antennas and Propagation</i> , 2019 , 13, 1129-1133	1.6	44

312	High-Gain On-Chip Antenna Design on Silicon Layer With Aperture Excitation for Terahertz Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020 , 19, 1576-1580	3.8	42
311	Antenna Mutual Coupling Suppression Over Wideband Using Embedded Periphery Slot for Antenna Arrays. <i>Electronics (Switzerland)</i> , 2018 , 7, 198	2.6	41
310	Interaction Between Closely Packed Array Antenna Elements Using Meta-Surface for Applications Such as MIMO Systems and Synthetic Aperture Radars. <i>Radio Science</i> , 2018 , 53, 1368-1381	1.4	41
309	Periodic array of complementary artificial magnetic conductor metamaterials-based multiband antennas for broadband wireless transceivers. <i>IET Microwaves, Antennas and Propagation</i> , 2016 , 10, 1682-1691	1.6	40
308	Study on on-Chip Antenna Design Based on Metamaterial-Inspired and Substrate-Integrated Waveguide Properties for Millimetre-Wave and THz Integrated-Circuit Applications. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2021 , 42, 17-28	2.2	40
307	Isolation enhancement of densely packed array antennas with periodic MTM-photonic bandgap for SAR and MIMO systems. <i>IET Microwaves, Antennas and Propagation</i> , 2020 , 14, 183-188	1.6	39
306	META-SURFACE WALL SUPPRESSION OF MUTUAL COUPLING BETWEEN MICROSTRIP PATCH ANTENNA ARRAYS FOR THZ-BAND APPLICATIONS. <i>Progress in Electromagnetics Research Letters</i> , 2018 , 75, 105-111	0.5	38
305	High-Gain Metasurface in Polyimide On-Chip Antenna Based on CRLH-TL for Sub-Terahertz Integrated Circuits. <i>Scientific Reports</i> , 2020 , 10, 4298	4.9	35
304	Miniaturised planar-patch antenna based on metamaterial L-shaped unit-cells for broadband portable microwave devices and multiband wireless communication systems. <i>IET Microwaves, Antennas and Propagation</i> , 2018 , 12, 1080-1086	1.6	34
303	A new planar broadband antenna based on meandered line loops for portable wireless communication devices. <i>Radio Science</i> , 2016 , 51, 1109-1117	1.4	33
302	Metamaterial-Inspired Antenna Array for Application in Microwave Breast Imaging Systems for Tumor Detection. <i>IEEE Access</i> , 2020 , 8, 174667-174678	3.5	33
301	Study on improvement of the performance parameters of a novel 0.41-0.47 THz on-chip antenna based on metasurface concept realized on 50nm GaAs-layer. <i>Scientific Reports</i> , 2020 , 10, 11034	4.9	32
300	Traveling-wave antenna based on metamaterial transmission line structure for use in multiple wireless communication applications. <i>AEU - International Journal of Electronics and Communications</i> , 2016 , 70, 1645-1650	2.8	31
299	Wideband planar array antenna based on SCRLH-TL for airborne synthetic aperture radar application. <i>Journal of Electromagnetic Waves and Applications</i> , 2018 , 32, 1586-1599	1.3	31
298	Extended Aperture Miniature Antenna Based on CRLH Metamaterials for Wireless Communication Systems Operating Over UHF to C-Band. <i>Radio Science</i> , 2018 , 53, 154-165	1.4	30
297	Compact Single-Layer Traveling-Wave Antenna Design Using Metamaterial Transmission Lines. <i>Radio Science</i> , 2017 , 52, 1510-1521	1.4	30
296	DC and RF performance of surface channel MESFETs on H-terminated polycrystalline diamond. <i>Diamond and Related Materials</i> , 2009 , 18, 786-788	3.5	30
295	Theoretical facet and experimental results of harmonic tuned PAs. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2003 , 13, 459-472	1.5	30

294	A novel monofilar-Archimedean metamaterial inspired leaky-wave antenna for scanning application for passive radar systems. <i>Microwave and Optical Technology Letters</i> , 2018 , 60, 2055-2060	1.2	29
293	Surface Wave Reduction in Antenna Arrays Using Metasurface Inclusion for MIMO and SAR Systems. <i>Radio Science</i> , 2019 , 54, 1067-1075	1.4	29
292	Bandwidth extension of planar antennas using embedded slits for reliable multiband RF communications. <i>AEU - International Journal of Electronics and Communications</i> , 2016 , 70, 910-919	2.8	29
291	Wideband printed monopole antenna for application in wireless communication systems. <i>IET Microwaves, Antennas and Propagation</i> , 2018 , 12, 1222-1230	1.6	28
290	Mobile-Phone Antenna Array with Diamond-Ring Slot Elements for 5G Massive MIMO Systems. <i>Electronics (Switzerland)</i> , 2019 , 8, 521	2.6	27
289	. <i>IEEE Transactions on Electron Devices</i> , 2016 , 63, 4647-4653	2.9	27
288	Constant Mismatch Circles and Application to Low-Noise Microwave Amplifier Design. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2013 , 61, 4154-4167	4.1	27
287	. <i>IEEE Journal of Solid-State Circuits</i> , 2010 , 45, 2008-2015	5.5	27
286	New Compact antenna based on simplified CRLH-TL for UWB wireless communication systems. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2016 , 26, 217-225	1.5	26
285	Gate-Source Distance Scaling Effects in H-Terminated Diamond MESFETs. <i>IEEE Transactions on Electron Devices</i> , 2015 , 62, 1150-1156	2.9	25
284	A Comprehensive Survey on Antennas On-Chip Based on Metamaterial, Metasurface, and Substrate Integrated Waveguide Principles for Millimeter-Waves and Terahertz Integrated Circuits and Systems. <i>IEEE Access</i> , 2022 , 10, 3668-3692	3.5	25
283	RF power performance evaluation of surface channel diamond MESFETs. <i>Solid-State Electronics</i> , 2011 , 55, 19-24	1.7	24
282	A new wideband planar antenna with band-notch functionality at GPS, Bluetooth and WiFi bands for integration in portable wireless systems. <i>AEU - International Journal of Electronics and Communications</i> , 2017 , 72, 79-85	2.8	23
281	Dual-band RFID tag antenna based on the Hilbert-curve fractal for HF and UHF applications. <i>IET Circuits, Devices and Systems</i> , 2016 , 10, 140-146	1.1	23
280	GaN transistor characterization and modeling activities performed within the frame of the KorriGaN project. <i>International Journal of Microwave and Wireless Technologies</i> , 2010 , 2, 51-61	0.8	23
279	Study on isolation and radiation behaviours of a 34B4 array-antennas based on SIW and metasurface properties for applications in terahertz band over 125B00 GHz. <i>Optik</i> , 2020 , 206, 163222	2.5	23
278	MM-Wave Phased Array Quasi-Yagi Antenna for the Upcoming 5G Cellular Communications. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 978	2.6	21
277	High-isolation antenna array using SIW and realized with a graphene layer for sub-terahertz wireless applications. <i>Scientific Reports</i> , 2021 , 11, 10218	4.9	21

276	Isolation Improvement in UWB-MIMO Antenna System Using Slotted Stub. <i>Electronics (Switzerland)</i> , 2020 , 9, 1582	2.6	19
275	T/R modules front-end integration in GaN technology 2015 ,		18
274	Influence of surface crystal-orientation on transfer doping of V2O5/H-terminated diamond. <i>Applied Physics Letters</i> , 2018 , 112, 181602	3.4	18
273	Fabrication and nonlinear characterization of GaN HEMTs on SiC and sapphire for high-power applications. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2006 , 16, 70-80	1.5	17
272	Class G approach for low-voltage, high-efficiency PA design. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2000 , 10, 366-378	1.5	17
271	Dual-Polarized Highly Folded Bowtie Antenna with Slotted Self-Grounded Structure for Sub-6 GHz 5G Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	17
270	Super-Wide Impedance Bandwidth Planar Antenna for Microwave and Millimeter-Wave Applications. <i>Sensors</i> , 2019 , 19,	3.8	16
269	Vectorially Combined Distributed Power Amplifiers for Software-Defined Radio Applications. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2012 , 60, 3189-3200	4.1	16
268	An ultra-broadband robust LNA for defence applications in AlGaIn/GaN technology 2010 ,		16
267	New CRLH-Based Planar Slotted Antennas with Helical Inductors for Wireless Communication Systems, RF-Circuits and Microwave Devices at UHF/BHF Bands. <i>Wireless Personal Communications</i> , 2017 , 92, 1029-1038	1.9	15
266	Polynomial noise modeling of silicon-based GaN HEMTs. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2014 , 27, 812-821	1	15
265	Noise measure-based design methodology for simultaneously matched multi-stage low-noise amplifiers. <i>IET Circuits, Devices and Systems</i> , 2012 , 6, 63	1.1	15
264	High-power monolithic AlGaIn/GaN HEMT switch for X-band applications. <i>Electronics Letters</i> , 2008 , 44, 911	1.1	15
263	Compensating for parasitic phase shift in microwave digitally controlled attenuators. <i>Electronics Letters</i> , 2008 , 44, 743	1.1	15
262	Modified U-Shaped Resonator as Decoupling Structure in MIMO Antenna. <i>Electronics (Switzerland)</i> , 2020 , 9, 1321	2.6	15
261	Improved adaptive impedance matching for RF front-end systems of wireless transceivers. <i>Scientific Reports</i> , 2020 , 10, 14065	4.9	15
260	Triple-band planar dipole antenna for omnidirectional radiation. <i>Microwave and Optical Technology Letters</i> , 2018 , 60, 1048-1051	1.2	14
259	Compact Quad-Element High-Isolation Wideband MIMO Antenna for mm-Wave Applications. <i>Electronics (Switzerland)</i> , 2021 , 10, 1300	2.6	14

258	Design and Realization of GaAs Digital Circuit for Mixed Signal MMIC Implementation in AESA Applications. <i>International Journal of Microwave Science and Technology</i> , 2011 , 2011, 1-11		13
257	Miniaturized superconducting filter realized by using dual-mode and stepped resonators. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2004 , 52, 97-104	4.1	13
256	On the Optimum Noise-Gain Locus of Two-Ports. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019 , 67, 2284-2290	4.1	12
255	2008 ,		12
254	Nonlinear approaches to the design of microwave power amplifiers. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2004 , 14, 493-506	1.5	12
253	. <i>IEEE Access</i> , 2020 , 8, 223287-223305	3.5	12
252	A Flexible and Pattern Reconfigurable Antenna with Small Dimensions and Simple Layout for Wireless Communication Systems Operating over 1.65-5.1 GHz. <i>Electronics (Switzerland)</i> , 2021 , 10, 601	2.6	12
251	Stability of H-Terminated Diamond MOSFETs With V2O5/Al2O3 as Gate Insulator. <i>IEEE Electron Device Letters</i> , 2019 , 40, 765-768	4.4	11
250	EM isolation enhancement based on metamaterial concept in antenna array system to support full-duplex application 2017 ,		11
249	High power GaN-HEMT SPDT switches for microwave applications. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2009 , 19, 598-606	1.5	11
248	A novel impedance pattern for fast noise measurements. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2002 , 51, 560-564	5.2	11
247	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1995 , 43, 901-903	4.1	11
246	Direct-synthesis design technique for nonlinear microwave circuits. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1995 , 43, 2851-2855	4.1	11
245	Antenna on Chip (AoC) Design Using Metasurface and SIW Technologies for THz Wireless Applications. <i>Electronics (Switzerland)</i> , 2021 , 10, 1120	2.6	11
244	Miniature CRLH-based ultra wideband antenna with gain enhancement for wireless communication applications. <i>ICT Express</i> , 2016 , 2, 75-79	4.9	11
243	Design of a MMIC low-noise amplifier in industrial gallium arsenide technology for E-band 5G transceivers. <i>Microwave and Optical Technology Letters</i> , 2019 , 61, 205-210	1.2	11
242	Design of a GaN-on-Si Single-Balanced Resistive Mixer for Ka-band Satcom. <i>IEEE Microwave and Wireless Components Letters</i> , 2019 , 29, 56-58	2.6	10
241	A novel hybrid active quasi-circulator for L-band applications 2012 ,		10

240	Vectorially combined distributed power amplifier with load pull impedance determination. <i>Electronics Letters</i> , 2010 , 46, 1137	1.1	10
239	Theory and performance of parabolic true logarithmic amplifier. <i>IET Circuits, Devices and Systems</i> , 1997 , 144, 223		10
238	Full W-Band High-Gain LNA in mHEMT MMIC Technology 2008 ,		10
237	Experimental performances of 5 GHz harmonic-manipulated high efficiency microwave power amplifiers. <i>Electronics Letters</i> , 2000 , 36, 800	1.1	10
236	Harmonic-loaded microwave power amplifiers: Nonlinear design procedure. <i>The International Executive</i> , 1995 , 5, 20-25		10
235	Optimization-based approach for scalable small-signal and noise model extraction of GaN-on-SiC HEMTs. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2017 , 30, e2135	1	9
234	Verifying Rollett's Proviso on Active Devices Under Arbitrary Passive Embeddings. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2017 , 64, 932-936	3.5	9
233	Design and Validation of 100 nm GaN-On-Si Ka-Band LNA Based on Custom Noise and Small Signal Models. <i>Electronics (Switzerland)</i> , 2020 , 9, 150	2.6	9
232	14.8-MeV Neutron Irradiation on H-Terminated Diamond-Based MESFETs. <i>IEEE Electron Device Letters</i> , 2016 , 37, 1597-1600	4.4	9
231	Q/V band LNA for satellite on-board space applications using a 70 nanometers GaAs mHEMT commercial technology. <i>Microwave and Optical Technology Letters</i> , 2018 , 60, 2185-2190	1.2	9
230	13-bit GaAs serial-to-parallel converter with compact layout for core-chip applications. <i>Microelectronics Journal</i> , 2014 , 45, 864-869	1.8	9
229	2012 ,		9
228	High-density mixed signal RF front-end electronics for T-R modules 2012 ,		9
227	A novel broadband MMIC vector modulator for V-band applications. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2010 , 20, 103-113	1.5	9
226	Compact Rectifier Circuit Design for Harvesting GSM/900 Ambient Energy. <i>Electronics (Switzerland)</i> , 2020 , 9, 1614	2.6	9
225	A Novel 0.3-0.31 THz GaAs-Based Transceiver with On-Chip Slotted Metamaterial Antenna Based on SIW Technology 2019 ,		9
224	Impedance Bandwidth Improvement of a Planar Antenna Based on Metamaterial-Inspired T-Matching Network. <i>IEEE Access</i> , 2021 , 9, 67916-67927	3.5	9
223	Future Smartphone: MIMO Antenna System for 5G Mobile Terminals. <i>IEEE Access</i> , 2021 , 9, 91593-91603	3.5	9

222	High Performance On-Chip Array Antenna Based on Metasurface Feeding Structure for Terahertz Integrated Circuits 2019 ,		8
221	Investigating the properties of interfacial layers in planar Schottky contacts on hydrogen-terminated diamond through direct current/small-signal characterization and radial line small-signal modelling. <i>Applied Physics Letters</i> , 2015 , 106, 103504	3.4	8
220	S-Band GaN Single-Chip Front End for Active Electronically Scanned Array With 40-W Output Power and 1.75-dB Noise Figure. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2018 , 66, 5696-5707	4.1	8
219	A straightforward design technique for narrowband multi-stage low-noise amplifiers with I/O conjugate match. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2019 , 29, e218335	1.5	8
218	TeraSCREEN: multi-frequency multi-mode Terahertz screening for border checks 2014 ,		8
217	Accurate large-signal equivalent circuit of surface channel diamond FETs based on the Chalmers model. <i>Diamond and Related Materials</i> , 2012 , 26, 15-19	3.5	8
216	An active nonreciprocal phase shifter topology. <i>Microwave and Optical Technology Letters</i> , 2012 , 54, 1659-16618		8
215	Coplanar-to-rectangular waveguide millimeter-wave transitions manufacturing tolerance analysis using the finite-element method. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2006 , 16, 118-124	1.5	8
214	High efficiency and high linearity power amplifier design. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2005 , 15, 453-468	1.5	8
213	MIMO Antenna System for Modern 5G Handheld Devices with Healthcare and High Rate Delivery. <i>Sensors</i> , 2021 , 21,	3.8	8
212	Compact and Low-Profile On-Chip Antenna Using Underside Electromagnetic Coupling Mechanism for Terahertz Front-End Transceivers. <i>Electronics (Switzerland)</i> , 2021 , 10, 1264	2.6	8
211	. <i>IEEE Access</i> , 2021 , 9, 71553-71562	3.5	8
210	A 28 GHz MMIC Doherty Power Amplifier in GaN on Si Technology for 5G Applications 2019 ,		7
209	2017 ,		7
208	A multi-finger modeling approach to correctly predict the inherent stability of a custom active device 2017 ,		7
207	Compact GaAs HEMT D flip-flop for the integration of a SAR MMIC core-chip digital control logic 2010 ,		7
206	An X-Band GaAs MMIC Doherty Power Amplifier 2010 ,		7
205	Parametric oscillations in distributed power amplifiers. <i>Electronics Letters</i> , 2009 , 45, 1325	1.1	7

204	An 8 channel GaAs IC front-end discriminator for RPC detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1999 , 432, 440-449	1.2	7
203	Design and Realization of a Frequency Reconfigurable Antenna with Wide, Dual, and Single-Band Operations for Compact Sized Wireless Applications. <i>Electronics (Switzerland)</i> , 2021 , 10, 1321	2.6	7
202	Donut-Shaped mmWave Printed Antenna Array for 5G Technology. <i>Electronics (Switzerland)</i> , 2021 , 10, 1415	2.6	7
201	Silicon-Based 0.450-0.475 THz Series-Fed Double Dielectric Resonator On-Chip Antenna Array Based on Metamaterial Properties for Integrated-Circuits 2019 ,		7
200	A Technique to Suppress Mutual Coupling in Densely Packed Antenna Arrays Using Metamaterial Supersubstrate 2018 ,		7
199	Multimode HMSIW-Based Bandpass Filter with Improved Selectivity for Fifth-Generation (5G) RF Front-Ends. <i>Sensors</i> , 2020 , 20,	3.8	6
198	Broadband Nonreciprocal Phase Shifter Design Technique. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2018 , 66, 1964-1972	4.1	6
197	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2018 , 66, 2258-2264	4.1	6
196	Deterministic design of simultaneously matched, two-stage low-noise amplifiers 2017 ,		6
195	Automated extraction of device noise parameters based on multi-frequency, source-pull data. <i>International Journal of Microwave and Wireless Technologies</i> , 2014 , 6, 63-72	0.8	6
194	MMIC LNAs for Radioastronomy Applications Using Advanced Industrial 70 nm Metamorphic Technology 2009 ,		6
193	High isolation microstrip GaN-HEMT Single-FET Switch. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2010 , 20, 391-398	1.5	6
192	A 20 Watt Micro-strip X-Band AlGaIn/GaN HPA MMIC for Advanced Radar Applications 2008 ,		6
191	GaN Device Technology: Manufacturing, Characterization, Modelling and Verification 2008 ,		6
190	Power Amplifier Design Strategy to null IMD asymmetry 2006 ,		6
189	Non-linear design of active frequency doublers. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 1999 , 9, 117-128	1.5	6
188	A Novel Hook-Shaped Antenna Operating at 28 GHz for Future 5G mmwave Applications. <i>Electronics (Switzerland)</i> , 2021 , 10, 673	2.6	6
187	Theoretical Study of the Input Impedance and Electromagnetic Field Distribution of a Dipole Antenna Printed on an Electrical/Magnetic Uniaxial Anisotropic Substrate. <i>Electronics (Switzerland)</i> , 2021 , 10, 1050	2.6	6

186	An EM-based approach to model a gallium nitride HEMT in a custom common-gate configuration 2016,		6
185	Metamaterial Based Design of Compact UWB/MIMO Monopoles Antenna with Characteristic Mode Analysis. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 1542	2.6	6
184	Linear Characterization and Modeling of GaN-on-Si HEMT Technologies with 100 nm and 60 nm Gate Lengths. <i>Electronics (Switzerland)</i> , 2021 , 10, 134	2.6	6
183	A Ka-Band Low-Noise Amplifier for Space Applications in a 100 nm GaN on Si technology 2019,		5
182	An overview on recent developments in RF and microwave power H-terminated diamond MESFET technology 2014,		5
181	Design and Experimental Performance of Diplexing MMIC Distributed Amplifier. <i>IEEE Microwave and Wireless Components Letters</i> , 2013 , 23, 365-367	2.6	5
180	GaN-on-Silicon Evaluation for High-Power MMIC Applications. <i>Materials Science Forum</i> , 2012 , 711, 223-227.	2.4	5
179	Active GaN MMIC diplexer based on distributed amplification concept. <i>Microwave and Optical Technology Letters</i> , 2013 , 55, 1041-1045	1.2	5
178	Microwave signal conditioning through non-reciprocal phase shifting. <i>IET Microwaves, Antennas and Propagation</i> , 2013 , 7, 809-818	1.6	5
177	Design approach to improve linearity and power performance of microwave FETs. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2008 , 18, 527-535	1.5	5
176	GaAs cryo-cooled LNA for C-band radioastronomy applications. <i>Electronics Letters</i> , 2006 , 42, 471	1.1	5
175	High-efficiency low-IM microwave PA design		5
174	Overcome the Limitations of Performance Parameters of On-Chip Antennas Based on Metasurface and Coupled Feeding Approaches for Applications in System-on-Chip for THz Integrated-Circuits 2019,		5
173	Comparative noise investigation of high-performance GaAs and GaN millimeter-wave monolithic technologies 2019,		5
172	Algorithmic Test of the Unconditional Stability of Three-Port Networks. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2018 , 66, 5197-5205	4.1	5
171	Design and Analysis of a Photonic Crystal Based Planar Antenna for THz Applications. <i>Electronics (Switzerland)</i> , 2021 , 10, 1941	2.6	5
170	. <i>IEEE Access</i> , 2021 , 9, 84910-84921	3.5	5
169	A GaN Single-Chip Front End With Improved Efficiency and Power by Using Class F Approach. <i>IEEE Microwave and Wireless Components Letters</i> , 2019 , 29, 140-142	2.6	4

168	V-Band GaAs Metamorphic Low-Noise Amplifier Design Technique for Sharp Gain Roll-Off at Lower Frequencies. <i>IEEE Microwave and Wireless Components Letters</i> , 2020 , 30, 601-604	2.6	4
167	Noise analysis in distributed amplifiers with feedback-active load. <i>IET Microwaves, Antennas and Propagation</i> , 2016 , 10, 1692-1700	1.6	4
166	2018 ,		4
165	A novel approach to minimize RMS errors in multifunctional chips. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2012 , 22, 387-393	1.5	4
164	Numerical evaluation of cable noise parameters under cryogenic thermal gradients 2014 ,		4
163	High-Q gyrator-based monolithic active tunable bandstop filter. <i>IET Circuits, Devices and Systems</i> , 1998 , 145, 243		4
162	Analysis, Design and Measurement of Active Low-Noise Terminations 2008 ,		4
161	Determining optimum load impedance for a noisy active 2-port network. 2007 ,		4
160	Harmonic tuned PAs design criteria		4
159	Efficient Hybrid Finite Elements - Modal Expansion Method for Microstrip-To-Waveguide Transitions Analysis. <i>Journal of Electromagnetic Waves and Applications</i> , 2001 , 15, 1027-1035	1.3	4
158	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1995 , 43, 552-558	4.1	4
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