Ernesto Limiti

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.

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	A Frequency Reconfigurable Compact Planar Inverted-F Antenna for Portable Devices. *International Journal of Antennas and Propagation*, **2022**, 2022, 1-9	1.2	0
328	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. *IEEE Access*, **2022**, 10, 3668-3692	3.5	25
327	Compact Broadband Antenna with Vicsek Fractal Slots for WLAN and WiMAX Applications. *Applied Sciences (Switzerland)*, **2022**, 12, 1142	2.6	2
326	DC Power-Optimized Ka-Band GaN-on-Si Low-Noise Amplifier With 1.5 dB Noise Figure. *IEEE Microwave and Wireless Components Letters*, **2022**, 1-4	2.6	2
325	Implementation of a Miniaturized Planar Tri-Band Microstrip Patch Antenna for Wireless Sensors in Mobile Applications.. *Sensors*, **2022**, 22,	3.8	2
324	Physical Layer Secrecy by Power Splitting and Jamming in Cooperative Multiple Relay Based on Energy Harvesting in Full-Duplex Network. *Electronics (Switzerland)*, **2022**, 11, 40	2.6	1
323	The Stability Radius: A New Indicator of Unconditional Stability for N-Port Linear Networks. *IEEE Microwave and Wireless Components Letters*, **2022**, 1-4	2.6	1
322	An innovative antenna array with high inter element isolation for sub-6 GHz 5G MIMO communication systems.. *Scientific Reports*, **2022**, 12, 7907	4.9	4
321	New Proofs of the Two-Port Networks Unconditional Stability Criteria Based on the Rollett K Parameter. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2021**, 1-11	3.9	
320	Novel Concentric Hexagonal-Shaped RFID Tag Antenna With T-Shaped Stub Matching. *IEEE Journal of Radio Frequency Identification*, **2021**, 1-1	2.4	
319	MIMO Antenna System for Modern 5G Handheld Devices with Healthcare and High Rate Delivery. *Sensors*, **2021**, 21,	3.8	8
318	Efficient Wireless Power Transfer via Magnetic Resonance Coupling Using Automated Impedance Matching Circuit. *Electronics (Switzerland)*, **2021**, 10, 2779	2.6	4
317	Printed Closely Spaced Antennas Loaded by Linear Stubs in a MIMO Style for Portable Wireless Electronic Devices. *Electronics (Switzerland)*, **2021**, 10, 2848	2.6	0
316	Dual-Polarized Highly Folded Bowtie Antenna with Slotted Self-Grounded Structure for Sub-6 GHz 5G Applications. *IEEE Transactions on Antennas and Propagation*, **2021**, 1-1	4.9	17
315	A Flexible and Pattern Reconfigurable Antenna with Small Dimensions and Simple Layout for Wireless Communication Systems Operating over 1.65–2.51 GHz. *Electronics (Switzerland)*, **2021**, 10, 601	2.6	12
314	A Novel Hook-Shaped Antenna Operating at 28 GHz for Future 5G mmwave Applications. *Electronics (Switzerland)*, **2021**, 10, 673	2.6	6
313	Bandwidth and gain enhancement of composite right left handed metamaterial transmission line planar antenna employing a non foster impedance matching circuit board. *Scientific Reports*, **2021**, 11, 7472	4.9	3

312	Theoretical Study of the Input Impedance and Electromagnetic Field Distribution of a Dipole Antenna Printed on an Electrical/Magnetic Uniaxial Anisotropic Substrate. *Electronics (Switzerland)*, **2021**, 10, 1050	2.6	6
311	Compact and Low-Profile On-Chip Antenna Using Underside Electromagnetic Coupling Mechanism for Terahertz Front-End Transceivers. *Electronics (Switzerland)*, **2021**, 10, 1264	2.6	8
310	Antenna on Chip (AoC) Design Using Metasurface and SIW Technologies for THz Wireless Applications. *Electronics (Switzerland)*, **2021**, 10, 1120	2.6	11
309	Compact Quad-Element High-Isolation Wideband MIMO Antenna for mm-Wave Applications. *Electronics (Switzerland)*, **2021**, 10, 1300	2.6	14
308	High-isolation antenna array using SIW and realized with a graphene layer for sub-terahertz wireless applications. *Scientific Reports*, **2021**, 11, 10218	4.9	21
307	. *IEEE Transactions on Microwave Theory and Techniques*, **2021**, 69, 2531-2540	4.1	4
306	Design and Realization of a Frequency Reconfigurable Antenna with Wide, Dual, and Single-Band Operations for Compact Sized Wireless Applications. *Electronics (Switzerland)*, **2021**, 10, 1321	2.6	7
305	Optimum power transfer in RF front end systems using adaptive impedance matching technique. *Scientific Reports*, **2021**, 11, 11825	4.9	1
304	Donut-Shaped mmWave Printed Antenna Array for 5G Technology. *Electronics (Switzerland)*, **2021**, 10, 1415	2.6	7
303	Broadband Amplifier Design Technique by Dissipative Matching Networks. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2021**, 68, 148-160	3.9	1
302	Study on on-Chip Antenna Design Based on Metamaterial-Inspired and Substrate-Integrated Waveguide Properties for Millimetre-Wave and THz Integrated-Circuit Applications. *Journal of Infrared, Millimeter, and Terahertz Waves*, **2021**, 42, 17-28	2.2	40
301	Impedance Bandwidth Improvement of a Planar Antenna Based on Metamaterial-Inspired T-Matching Network. *IEEE Access*, **2021**, 9, 67916-67927	3.5	9
300	A MMIC Low-Noise Amplifier realized with two different gate length GaN-on-Si technologies **2021**,		1
299	Overcoming Inherent Narrow Bandwidth and Low Radiation Properties of Electrically Small Antennas by Using an Active Interior-Matching Circuit. *IEEE Access*, **2021**, 9, 20622-20628	3.5	1
298	. *IEEE Access*, **2021**, 9, 71553-71562	3.5	8
297	Ultralow-Power Digital Control and Signal Conditioning in GaAs MMIC Core Chip for X-Band AESA Systems. *IEEE Transactions on Microwave Theory and Techniques*, **2021**, 1-1	4.1	3
296	Future Smartphone: MIMO Antenna System for 5G Mobile Terminals. *IEEE Access*, **2021**, 9, 91593-91603	3.5	9
295	Metasurface-Based Wideband MIMO Antenna for 5G Millimeter-Wave Systems. *IEEE Access*, **2021**, 9, 125348-125357	3.5	1

294	Metamaterial Based Design of Compact UWB/MIMO Monopoles Antenna with Characteristic Mode Analysis. *Applied Sciences (Switzerland)*, **2021**, 11, 1542	2.6	6
293	Design and Realization of a Frequency Reconfigurable Multimode Antenna for ISM, 5G-Sub-6-GHz, and S-Band Applications. *Applied Sciences (Switzerland)*, **2021**, 11, 1635	2.6	3
292	Singular Integral Formulations for Electrodynamic Analysis of Metamaterial-Inspired Antenna Array. *IEEE Antennas and Wireless Propagation Letters*, **2021**, 20, 179-183	3.8	4
291	A Novel High-Isolation Resistor-Less Millimeter-Wave Power Divider Based on Metamaterial Structures for 5G Applications. *IEEE Transactions on Components, Packaging and Manufacturing Technology*, **2021**, 11, 294-301	1.7	4
290	Realizing UWB Antenna Array with Dual and Wide Rejection Bands Using Metamaterial and Electromagnetic Bandgaps Techniques. *Micromachines*, **2021**, 12,	3.3	1
289	Design and Analysis of a Photonic Crystal Based Planar Antenna for THz Applications. *Electronics (Switzerland)*, **2021**, 10, 1941	2.6	5
288	Design of an Integrated Sub-6 GHz and mmWave MIMO Antenna for 5G Handheld Devices. *Applied Sciences (Switzerland)*, **2021**, 11, 8331	2.6	3
287	Source/Load-Pull Noise Measurements at Ka Band. *Energies*, **2021**, 14, 5615	3.1	
286	Extending the Ohtomo Stability Test to Large-Signal Solutions in a Commercial Circuit Simulator. *IEEE Transactions on Microwave Theory and Techniques*, **2021**, 1-1	4.1	1
285	Linear Characterization and Modeling of GaN-on-Si HEMT Technologies with 100 nm and 60 nm Gate Lengths. *Electronics (Switzerland)*, **2021**, 10, 134	2.6	6
284	. *IEEE Access*, **2021**, 9, 84910-84921	3.5	5
283	Multimode HMSIW-Based Bandpass Filter with Improved Selectivity for Fifth-Generation (5G) RF Front-Ends. *Sensors*, **2020**, 20,	3.8	6
282	C to V-band Cascode Distributed Amplifier Design Leveraging a Double Gate Length Gallium Nitride on Silicon Process **2020**,		2
281	Nondestructive, Self-Contained Extraction Method of Parasitic Resistances in HEMT Devices. *IEEE Transactions on Microwave Theory and Techniques*, **2020**, 68, 2571-2578	4.1	2
280	V-Band GaAs Metamorphic Low-Noise Amplifier Design Technique for Sharp Gain Roll-Off at Lower Frequencies. *IEEE Microwave and Wireless Components Letters*, **2020**, 30, 601-604	2.6	4
279	High-Gain Metasurface in Polyimide On-Chip Antenna Based on CRLH-TL for Sub-Terahertz Integrated Circuits. *Scientific Reports*, **2020**, 10, 4298	4.9	35
278	A C-Band GaN Single Chip Front-End for SAR Applications **2020**,		1
277	Study on improvement of the performance parameters of a novel 0.41-0.47 THz on-chip antenna based on metasurface concept realized on 50□h GaAs-layer. *Scientific Reports*, **2020**, 10, 11034	4.9	32

276	Isolation enhancement of densely packed array antennas with periodic MTM-photonic bandgap for SAR and MIMO systems. *IET Microwaves, Antennas and Propagation*, **2020**, 14, 183-188	1.6	39
275	Design and Validation of 100 nm GaN-On-Si Ka-Band LNA Based on Custom Noise and Small Signal Models. *Electronics (Switzerland)*, **2020**, 9, 150	2.6	9
274	Metamaterial-Inspired Antenna Array for Application in Microwave Breast Imaging Systems for Tumor Detection. *IEEE Access*, **2020**, 8, 174667-174678	3.5	33
273	**2020**,		3
272	Compact Rectifier Circuit Design for Harvesting GSM/900 Ambient Energy. *Electronics (Switzerland)*, **2020**, 9, 1614	2.6	9
271	Isolation Improvement in UWB-MIMO Antenna System Using Slotted Stub. *Electronics (Switzerland)*, **2020**, 9, 1582	2.6	19
270	. *IEEE Transactions on Microwave Theory and Techniques*, **2020**, 68, 4177-4187	4.1	2
269	High-Gain On-Chip Antenna Design on Silicon Layer With Aperture Excitation for Terahertz Applications. *IEEE Antennas and Wireless Propagation Letters*, **2020**, 19, 1576-1580	3.8	42
268	Low Power GaAs Digital and Analog Functionalities for Microwave Signal Conditioning in AESA Systems **2020**,		3
267	. *IEEE Access*, **2020**, 8, 144778-144808	3.5	93
266	. *IEEE Access*, **2020**, 8, 192965-193004	3.5	124
265	Design of a Ka-Band Single-Chip Front-End based on a 100 nm GaN-on-Si technology **2020**,		4
264	High Performance Metasurface-Based On-Chip Antenna for Terahertz Integrated Circuits **2020**,		2
263	Modified U-Shaped Resonator as Decoupling Structure in MIMO Antenna. *Electronics (Switzerland)*, **2020**, 9, 1321	2.6	15
262	Improved adaptive impedance matching for RF front-end systems of wireless transceivers. *Scientific Reports*, **2020**, 10, 14065	4.9	15
261	S-band hybrid amplifiers based on hydrogenated diamond FETs. *Scientific Reports*, **2020**, 10, 19029	4.9	2
260	. *IEEE Access*, **2020**, 8, 223287-223305	3.5	12
259	Study on isolation and radiation behaviours of a 34□4 array-antennas based on SIW and metasurface properties for applications in terahertz band over 125□00 GHz. *Optik*, **2020**, 206, 163222	2.5	23

258	High Performance On-Chip Array Antenna Based on Metasurface Feeding Structure for Terahertz Integrated Circuits **2019**,		8
257	A Ka-Band Low-Noise Amplifier for Space Applications in a 100 nm GaN on Si technology **2019**,		5
256	A 28 GHz MMIC Doherty Power Amplifier in GaN on Si Technology for 5G Applications **2019**,		7
255	A Ka-band Doherty Power Amplifier using an innovative Stacked-FET Cell **2019**,		3
254	Beam-scanning leaky-wave antenna based on CRLH-metamaterial for millimetre-wave applications. *IET Microwaves, Antennas and Propagation*, **2019**, 13, 1129-1133	1.6	44
253	Design of a GaN-on-Si Single-Balanced Resistive Mixer for Ka-band Satcom. *IEEE Microwave and Wireless Components Letters*, **2019**, 29, 56-58	2.6	10
252	Super-Wide Impedance Bandwidth Planar Antenna for Microwave and Millimeter-Wave Applications. *Sensors*, **2019**, 19,	3.8	16
251	High-Isolation Leaky-Wave Array Antenna Based on CRLH-Metamaterial Implemented on SIW with ±30o Frequency Beam-Scanning Capability at Millimetre-Waves. *Electronics (Switzerland)*, **2019**, 8, 642	2.6	46
250	A Generalized Unterminating Technique for Characterizing Reciprocal Three-Port Networks. *IEEE Transactions on Microwave Theory and Techniques*, **2019**, 67, 2416-2422	4.1	
249	On the Optimum Noise-Gain Locus of Two-Ports. *IEEE Transactions on Microwave Theory and Techniques*, **2019**, 67, 2284-2290	4.1	12
248	Mobile-Phone Antenna Array with Diamond-Ring Slot Elements for 5G Massive MIMO Systems. *Electronics (Switzerland)*, **2019**, 8, 521	2.6	27
247	. *IEEE Access*, **2019**, 7, 51827-51840	3.5	67
246	DOUBLE-PORT SLOTTED-ANTENNA WITH MULTIPLE MINIATURIZED RADIATORS FOR WIDEBAND WIRELESS COMMUNICATION SYSTEMS AND PORTABLE DEVICES. *Progress in Electromagnetics Research C*, **2019**, 90, 1-13	0.9	3
245	MM-Wave Phased Array Quasi-Yagi Antenna for the Upcoming 5G Cellular Communications. *Applied Sciences (Switzerland)*, **2019**, 9, 978	2.6	21
244	A GaN Single-Chip Front End With Improved Efficiency and Power by Using Class F Approach. *IEEE Microwave and Wireless Components Letters*, **2019**, 29, 140-142	2.6	4
243	Stability of H-Terminated Diamond MOSFETs With V2O5/Al2O3 as Gate Insulator. *IEEE Electron Device Letters*, **2019**, 40, 765-768	4.4	11
242	Improved microwave attenuator topology minimizing the number of control voltages. *Microwave and Optical Technology Letters*, **2019**, 61, 926-929	1.2	1
241	Mutual Coupling Suppression Between Two Closely Placed Microstrip Patches Using EM-Bandgap Metamaterial Fractal Loading. *IEEE Access*, **2019**, 7, 23606-23614	3.5	79

240	Technology for D-band/G-band ultra capacity layer **2019**,		3
239	A MMIC power amplifier in GaN on Si technology for next generation Q band high throughput satellite systems. *The Integration VLSI Journal*, **2019**, 68, 139-146	1.4	1
238	A straightforward design technique for narrowband multi-stage low-noise amplifiers with I/O conjugate match. *International Journal of RF and Microwave Computer-Aided Engineering*, **2019**, 29, e21833	1.5	8
237	Surface Wave Reduction in Antenna Arrays Using Metasurface Inclusion for MIMO and SAR Systems. *Radio Science*, **2019**, 54, 1067-1075	1.4	29
236	Amalgamation of Metamaterial and SIW Technologies for Realizing Wide-Bandwidth and High-Radiation Properties of On-Chip Antennas for Application in Packaging of Terahertz Components **2019**,		1
235	Terahertz On-Chip Antenna Based on Metasurface and SIW with Stacked Layers of Resonators on GaAs Substrate **2019**,		1
234	A Novel 0.3-0.31 THz GaAs-Based Transceiver with On-Chip Slotted Metamaterial Antenna Based on SIW Technology **2019**,		9
233	GaN/Si Ka-band SPDT for observation payloads **2019**,		1
232	Automated Reconfigurable Antenna Impedance for Optimum Power Transfer **2019**,		3
231	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
230	Development of a V-Band MMIC chip-set for in-orbit Inter-Satellite Links **2019**,		1
229	High-Performance 50μm Silicon-Based On-Chip Antenna with High Port-to-Port Isolation Implemented by Metamaterial and SIW Concepts for THz Integrated Systems **2019**,		4
228	Comparative noise investigation of high-performance GaAs and GaN millimeter-wave monolithic technologies **2019**,		5
227	Technologies, Design, and Applications of Low-Noise Amplifiers at Millimetre-Wave: State-of-the-Art and Perspectives. *Electronics (Switzerland)*, **2019**, 8, 1222	2.6	1
226	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
225	A GaN MMIC HPA with 50W Output Power and 50% PAE for S-Band Radar Systems **2019**,		1
224	Design of a MMIC low-noise amplifier in industrial gallium arsenide technology for E-band 5G transceivers. *Microwave and Optical Technology Letters*, **2019**, 61, 205-210	1.2	11
223	Triple-band planar dipole antenna for omnidirectional radiation. *Microwave and Optical Technology Letters*, **2018**, 60, 1048-1051	1.2	14

222	Extended Aperture Miniature Antenna Based on CRLH Metamaterials for Wireless Communication Systems Operating Over UHF to C-Band. *Radio Science*, **2018**, 53, 154-165	1.4	30
221	Broadband Nonreciprocal Phase Shifter Design Technique. *IEEE Transactions on Microwave Theory and Techniques*, **2018**, 66, 1964-1972	4.1	6
220	. *IEEE Transactions on Microwave Theory and Techniques*, **2018**, 66, 2258-2264	4.1	6
219	**2018**,		4
218	A GaN single chip front-end for C-band synthetic aperture radars **2018**,		2
217	High power-handling SPDT switch in 0.25-μm GaN technology. *International Journal of RF and Microwave Computer-Aided Engineering*, **2018**, 28, e21413	1.5	3
216	A Q-Band MMIC Power Amplifier in GaN on Si Technology for Space Applications **2018**,		1
215	Q/V band LNA for satellite on-board space applications using a 70 nanometers GaAs mHEMT commercial technology. *Microwave and Optical Technology Letters*, **2018**, 60, 2185-2190	1.2	9
214	Study on isolation improvement between closely-packed patch antenna arrays based on fractal metamaterial electromagnetic bandgap structures. *IET Microwaves, Antennas and Propagation*, **2018**, 12, 2241-2247	1.6	71
213	S-Band GaN Single-Chip Front End for Active Electronically Scanned Array With 40-W Output Power and 1.75-dB Noise Figure. *IEEE Transactions on Microwave Theory and Techniques*, **2018**, 66, 5696-5707	4.1	8
212	A 4W 37.5-42.5 GHz Power Amplifier MMIC in GaN on Si Technology **2018**,		2
211	A novel monofilar-Archimedean metamaterial inspired leaky-wave antenna for scanning application for passive radar systems. *Microwave and Optical Technology Letters*, **2018**, 60, 2055-2060	1.2	29
210	Miniaturised planar-patch antenna based on metamaterial L-shaped unit-cells for broadband portable microwave devices and multiband wireless communication systems. *IET Microwaves, Antennas and Propagation*, **2018**, 12, 1080-1086	1.6	34
209	Wideband printed monopole antenna for application in wireless communication systems. *IET Microwaves, Antennas and Propagation*, **2018**, 12, 1222-1230	1.6	28
208	An S-Band GaN MMIC High Power Amplifier with 50W Output Power and 55% Power Added Efficiency **2018**,		1
207	A GaN-on-Si MMIC Doherty Power Amplifier for 5G Applications **2018**,		3
206	**2018**,		4
205	New Approach to Suppress Mutual Coupling Between Longitudinal-Slotted Arrays Based on SIW Antenna Loaded with Metal-Fences Working on VHF/UHF Frequency-Bands: Study, Investigation, and Principle **2018**,		3

204	A Simple Test to Check the Inherent-Stability Proviso on Field-Effect Transistors. *IEEE Access*, **2018**, 6, 43079-43087	3.5	3
203	**2018**,		2
202	A Technique to Suppress Mutual Coupling in Densely Packed Antenna Arrays Using Metamaterial Supersubstrate **2018**,		7
201	Mutual-Coupling Reduction in Metamaterial Substrate Integrated Waveguide Slotted Antenna Arrays Using Metal Fence Isolators for SAR and MIMO Applications **2018**,		2
200	**2018**,		2
199	A New Waveguide Slot Array Antenna with High Isolation and High Antenna Bandwidth Operation on Ku- and K-bands for Radar and MIMO Systems **2018**,		3
198	Antenna Mutual Coupling Suppression Over Wideband Using Embedded Periphery Slot for Antenna Arrays. *Electronics (Switzerland)*, **2018**, 7, 198	2.6	41
197	Algorithmic Test of the Unconditional Stability of Three-Port Networks. *IEEE Transactions on Microwave Theory and Techniques*, **2018**, 66, 5197-5205	4.1	5
196	META-SURFACE WALL SUPPRESSION OF MUTUAL COUPLING BETWEEN MICROSTRIP PATCH ANTENNA ARRAYS FOR THZ-BAND APPLICATIONS. *Progress in Electromagnetics Research Letters*, **2018**, 75, 105-111	0.5	38
195	Interaction Between Closely Packed Array Antenna Elements Using Meta-Surface for Applications Such as MIMO Systems and Synthetic Aperture Radars. *Radio Science*, **2018**, 53, 1368-1381	1.4	41
194	A GaN Single-Chip Front-End for Active Electronically Scanned Arrays **2018**,		2
193	Three-stage GaN-on-SiC medium-power LNA exploiting a current-reuse architecture. *International Journal of RF and Microwave Computer-Aided Engineering*, **2018**, 28, e21423	1.5	4
192	Wideband planar array antenna based on SCRLH-TL for airborne synthetic aperture radar application. *Journal of Electromagnetic Waves and Applications*, **2018**, 32, 1586-1599	1.3	31
191	Influence of surface crystal-orientation on transfer doping of V2O5/H-terminated diamond. *Applied Physics Letters*, **2018**, 112, 181602	3.4	18
190	Optimization-based approach for scalable small-signal and noise model extraction of GaN-on-SiC HEMTs. *International Journal of Numerical Modelling: Electronic Networks, Devices and Fields*, **2017**, 30, e2135	1	9
189	High power-handling GaN switch for S-band applications **2017**,		2
188	A new wideband planar antenna with band-notch functionality at GPS, Bluetooth and WiFi bands for integration in portable wireless systems. *AEU - International Journal of Electronics and Communications*, **2017**, 72, 79-85	2.8	23
187	Verifying Rollett Proviso on Active Devices Under Arbitrary Passive Embeddings. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2017**, 64, 932-936	3.5	9

186	**2017**,		7
185	Compact Single-Layer Traveling-Wave Antenna DesignUsing Metamaterial Transmission Lines. *Radio Science*, **2017**, 52, 1510-1521	1.4	30
184	New CRLH-Based Planar Slotted Antennas with Helical Inductors for Wireless Communication Systems, RF-Circuits and Microwave Devices at UHF–EHF Bands. *Wireless Personal Communications*, **2017**, 92, 1029-1038	1.9	15
183	EM isolation enhancement based on metamaterial concept in antenna array system to support full-duplex application **2017**,		11
182	Deterministic design of simultaneously matched, two-stage low-noise amplifiers **2017**,		6
181	A novel current-reuse architecture demonstrated on a two-stage GaN-on-SiC LNA **2017**,		2
180	A multi-finger modeling approach to correctly predict the inherent stability of a custom active device **2017**,		7
179	Frequency beam steering antenna for millimeter wave checkpoint scanners **2017**,		1
178	Periodic array of complementary artificial magnetic conductor metamaterials-based multiband antennas for broadband wireless transceivers. *IET Microwaves, Antennas and Propagation*, **2016**, 10, 1682-1691	1.6	40
177	Noise analysis in distributed amplifiers with feedback-active load. *IET Microwaves, Antennas and Propagation*, **2016**, 10, 1692-1700	1.6	4
176	Resistive bias network for optimized isolation in SPDT switches **2016**,		3
175	A new planar broadband antenna based on meandered line loops for portable wireless communication devices. *Radio Science*, **2016**, 51, 1109-1117	1.4	33
174	14.8-MeV Neutron Irradiation on H-Terminated Diamond-Based MESFETs. *IEEE Electron Device Letters*, **2016**, 37, 1597-1600	4.4	9
173	. *IEEE Transactions on Electron Devices*, **2016**, 63, 4647-4653	2.9	27
172	A Measurement-Based Approach to Model Scaling Properties of FETs. *IEEE Microwave and Wireless Components Letters*, **2016**, 26, 912-914	2.6	1
171	An active dispersive delay line in GaN MMIC technology for X-band applications **2016**,		2
170	Dual-band RFID tag antenna based on the Hilbert-curve fractal for HF and UHF applications. *IET Circuits, Devices and Systems*, **2016**, 10, 140-146	1.1	23
169	DESIGN OF SUB-HARMONIC MIXER MMIC FOR EHF SATELLITE LINKS. *Progress in Electromagnetics Research C*, **2016**, 66, 149-161	0.9	

168	New Compact antenna based on simplified CRLH-TL for UWB wireless communication systems. *International Journal of RF and Microwave Computer-Aided Engineering*, **2016**, 26, 217-225	1.5	26
167	Compact Q-band three-conductors balun. *Microwave and Optical Technology Letters*, **2016**, 58, 1022-1025	1.2	
166	H-Terminated Diamond MISFETs with V2O5 as Insulator **2016**,		1
165	An EM-based approach to model a gallium nitride HEMT in a custom common-gate configuration **2016**,		6
164	Enhanced surface transfer doping of diamond by V2O5 with improved thermal stability. *Applied Physics Letters*, **2016**, 108, 042103	3.4	65
163	Comparative investigation of surface transfer doping of hydrogen terminated diamond by high electron affinity insulators. *Journal of Applied Physics*, **2016**, 120, 025104	2.5	54
162	Miniature CRLH-based ultra wideband antenna with gain enhancement for wireless communication applications. *ICT Express*, **2016**, 2, 75-79	4.9	11
161	Bandwidth extension of planar antennas using embedded slits for reliable multiband RF communications. *AEU - International Journal of Electronics and Communications*, **2016**, 70, 910-919	2.8	29
160	Traveling-wave antenna based on metamaterial transmission line structure for use in multiple wireless communication applications. *AEU - International Journal of Electronics and Communications*, **2016**, 70, 1645-1650	2.8	31
159	Gate-Source Distance Scaling Effects in H-Terminated Diamond MESFETs. *IEEE Transactions on Electron Devices*, **2015**, 62, 1150-1156	2.9	25
158	Distributed active balun with improved linearity performance **2015**,		2
157	T/R modules front-end integration in GaN technology **2015**,		18
156	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. *Applied Physics Letters*, **2015**, 106, 103504	3.4	8
155	Evaluation of coaxial cable performance under thermal gradients. *International Journal of Microwave and Wireless Technologies*, **2015**, 7, 239-249	0.8	3
154	THz Electronics **2015**, 254-303		2
153	Black-box noise modeling of GaAs HEMTs under illumination. *International Journal of Numerical Modelling: Electronic Networks, Devices and Fields*, **2015**, 28, 698-706	1	3
152	Numerical determination of coaxial cable parameters in cryogenic environments for high-frequency active device noise modeling. *International Journal of Numerical Modelling: Electronic Networks, Devices and Fields*, **2015**, 28, 732-744	1	2
151	Cold-source cryogenic characterization and modeling of a mHEMT process **2015**,		1

150	High spectral purity X- to W-band active GaAs monolithic frequency multiplier **2014**,		2
149	Reconfigurable matching network for RF energy harvesting circuits **2014**,		2
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