Jingcong He

List of Publications by Year in descending order

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335	4,256	94433	138484
papers	citations	37 h-index	58 g-index

336	336	336	1062
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High-Gain Wide-Band Gyrotron Traveling Wave Amplifier with a Helically Corrugated Waveguide. Physical Review Letters, 2000, 84, 2746-2749.	7.8	225
2	Gyrotron Traveling Wave Amplifier with a Helical Interaction Waveguide. Physical Review Letters, 1998, 81, 5680-5683.	7.8	217
3	High Power Wideband Gyrotron Backward Wave Oscillator Operating towards the Terahertz Region. Physical Review Letters, 2013, 110, 165101.	7.8	146
4	A cusp electron gun for millimeter wave gyrodevices. Applied Physics Letters, 2010, 96, .	3.3	120
5	Multi-Mode Coupling Wave Theory for Helically Corrugated Waveguide. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 1-7.	4.6	109
6	Helically corrugated waveguide gyrotron traveling wave amplifier using a thermionic cathode electron gun. Applied Physics Letters, 2007, 90, 253501.	3.3	101
7	Broadband Amplification of Low-Terahertz Signals Using Axis-Encircling Electrons in a Helically Corrugated Interaction Region. Physical Review Letters, 2017, 119, 184801.	7.8	100
8	Generation of broadband terahertz radiation using a backward wave oscillator and pseudospark-sourced electron beam. Applied Physics Letters, 2015, 107, .	3.3	96
9	Gyro-BWO Experiments Using a Helical Interaction Waveguide. IEEE Transactions on Electron Devices, 2005, 52, 839-844.	3.0	90
10	Generation and application of pseudospark-sourced electron beams. Journal Physics D: Applied Physics, 2007, 40, 1953-1956.	2.8	87
11	Axis-encircling electron beam generation using a smooth magnetic cusp for gyrodevices. Applied Physics Letters, 2008, 93, .	3.3	86
12	Theory and simulations of a gyrotron backward wave oscillator using a helical interaction waveguide. Applied Physics Letters, 2006, 89, 091504.	3.3	84
13	Dispersion of helically corrugated waveguides: Analytical, numerical, and experimental study. Physical Review E, 2004, 70, 046402.	2.1	78
14	Millimeter wave generation from a pseudospark-sourced electron beam. Physics of Plasmas, 2009, 16, .	1.9	77
15	Compression of Frequency-Modulated Pulses using Helically Corrugated Waveguides and Its Potential for Generating Multigigawatt rf Radiation. Physical Review Letters, 2004, 92, 118301.	7.8	76
16	Simulation and Experiments of a <inline-formula> <tex-math notation="LaTeX">W </tex-math></inline-formula>-Band Extended Interaction Oscillator Based on a Pseudospark-Sourced Electron Beam. IEEE Transactions on Electron Devices, 2016, 63, 512-516.	3.0	72
17	Design and Numerical Optimization of a Cusp-Gun-Based Electron Beam for Millimeter-Wave Gyro-Devices. IEEE Transactions on Plasma Science, 2009, 37, 2153-2157.	1.3	71
18	Single-gap pseudospark discharge experiments. Journal of Applied Physics, 2001, 90, 3212-3218.	2.5	67

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19	A W-Band Multi-Layer Microwave Window for Pulsed Operation of Gyro-Devices. IEEE Microwave and Wireless Components Letters, 2013, 23, 237-239.	3.2	63
20	Demonstration of a Planar ${{W}}$ -Band, kW-Level Extended Interaction Oscillator Based on a Pseudospark-Sourced Sheet Electron Beam. IEEE Electron Device Letters, 2018, 39, 432-435.	3.9	63
21	Design and Measurement of a Broadband Sidewall Coupler for a W-Band Gyro-TWA. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 3183-3190.	4.6	61
22	Wide-Band ${hbox{HE}}_{11}$ Mode Terahertz Wave Windows for Gyro-Amplifiers. IEEE Transactions on Terahertz Science and Technology, 2016, 6, 108-112.	3.1	60
23	A high directivity broadband corrugated horn for W-band gyro-devices. IEEE Transactions on Antennas and Propagation, 2013, 61, 1453-1456.	5.1	59
24	Propagation and post-acceleration of a pseudospark-sourced electron beam. Journal of Applied Physics, 2002, 91, 5419-5422.	2.5	55
25	Pseudospark Experiments: Cherenkov Interaction and Electron Beam Post-Acceleration. IEEE Transactions on Plasma Science, 2004, 32, 233-239.	1.3	52
26	Pseudospark-based electron beam and Cherenkov maser experiments. Physics of Plasmas, 2000, 7, 5195-5205.	1.9	50
27	A novel tunable frequency selective surface absorber with dual-DOF for broadband applications. Optics Express, 2014, 22, 30217.	3.4	47
28	Preliminary design and optimization of a G-band extended interaction oscillator based on a pseudospark-sourced electron beam. Physics of Plasmas, 2015, 22, .	1.9	47
29	Study of a 0.2-THz Extended Interaction Oscillator Driven by a Pseudospark-Sourced Sheet Electron Beam. IEEE Transactions on Electron Devices, 2016, 63, 4955-4960.	3.0	47
30	Optimization and Measurement of a Smoothly Profiled Horn for a W-Band Gyro-TWA. IEEE Transactions on Electron Devices, 2017, 64, 2665-2669.	3.0	45
31	Experimental Operation of a Cyclotron Autoresonance Maser Oscillator at the Second Harmonic. Physical Review Letters, 1996, 77, 4836-4839.	7.8	44
32	Microwave pulse compression using a helically corrugated waveguide. IEEE Transactions on Plasma Science, 2005, 33, 661-667.	1.3	41
33	High Efficient and Ultra Wide Band Monopole Antenna for Microwave Imaging and Communication Applications. Sensors, 2020, 20, 115.	3.8	41
34	High-current oversized annular electron beam formation for high-power microwave research. Applied Physics Letters, 2006, 89, 171503.	3.3	40
35	Generation of 3 GW microwave pulses in X-band from a combination of a relativistic backward-wave oscillator and a helical-waveguide compressor. Physics of Plasmas, 2010, 17, .	1.9	39
36	Experimental demonstration of a terahertz extended interaction oscillator driven by a pseudospark-sourced sheet electron beam. Applied Physics Letters, 2018, 112, .	3.3	39

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37	Design Study of a Fundamental Mode Input Coupler for a 372-GHz Gyro-TWA I: Rectangular-to-Circular Coupling Methods. IEEE Transactions on Electron Devices, 2016, 63, 497-503.	3.0	37
38	Design of an Energy Recovery System for a Gyrotron Backward-Wave Oscillator. IEEE Transactions on Plasma Science, 2009, 37, 390-394.	1.3	36
39	Radio frequency resonator structure and diagnostic measurements for a laboratory simulation of Auroral Kilometric Radiation. Physics of Plasmas, 2008, 15, 056503.	1.9	32
40	Experimental Study of Microwave Pulse Compression Using a Five-Fold Helically Corrugated Waveguide. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 1090-1096.	4.6	31
41	Design of a Dual-Band Electromagnetic Absorber With Frequency Selective Surfaces. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 841-845.	4.0	30
42	Design and measurement of a polarization convertor based on a truncated circular waveguide. Journal Physics D: Applied Physics, 2012, 45, 345103.	2.8	29
43	Numerical Optimization of a Multistage Depressed Collector With Secondary Electron Emission for an X-band Gyro-BWO. IEEE Transactions on Plasma Science, 2009, 37, 2328-2334.	1.3	28
44	Influence of the electrode gap separation on the pseudospark-sourced electron beam generation. Physics of Plasmas, 2016, 23, .	1.9	28
45	A Pillbox Window With Impedance Matching Sections for a -Band Gyro-TWA. IEEE Electron Device Letters, 2018, 39, 1081-1084.	3.9	28
46	Extremely Sensitive Microwave Sensor for Evaluation of Dielectric Characteristics of Low-Permittivity Materials. Sensors, 2020, 20, 1916.	3.8	28
47	Ultra-Thin Metasheet for Dual-Wide-Band Linear to Circular Polarization Conversion With Wide-Angle Performance. IEEE Access, 2020, 8, 163244-163254.	4.2	27
48	A pseudospark cathode Cherenkov maser: theory and experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 407, 175-180.	1.6	26
49	Design and simulation of a â^¼390â€‰GHz seventh harmonic gyrotron using a large orbit electron beam. Journal Physics D: Applied Physics, 2010, 43, 155204.	2.8	26
50	Study of a 0.35 THz Extended Interaction Oscillator Driven by a Pseudospark-Sourced Sheet Electron Beam. IEEE Transactions on Electron Devices, 2020, 67, 652-658.	3.0	26
51	Triple-wide-band Ultra-thin Metasheet for transmission polarization conversion. Scientific Reports, 2020, 10, 8810.	3.3	25
52	X-ray emission as a diagnostic from pseudospark-sourced electron beams. Nuclear Instruments & Methods in Physics Research B, 2014, 335, 74-77.	1.4	24
53	Bandwidth Study of the Microwave Reflectors with Rectangular Corrugations. Journal of Infrared, Millimeter, and Terahertz Waves, 2016, 37, 846-856.	2.2	24
54	An Output Coupler for a W-Band High Power Wideband Gyroamplifier. IEEE Transactions on Electron Devices, 2017, 64, 1763-1766.	3.0	24

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55	Dual-Band Ultrathin Meta-Array for Polarization Conversion in Ku/Ka-Band With Broadband Transmission. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 856-860.	4.0	24
56	Design, Fabrication, and Cold Test of a High Frequency System for an H-Band Sheet Beam Travelling Wave Tube. IEEE Transactions on Terahertz Science and Technology, 2020, 10, 292-301.	3.1	24
57	Explosive cathode gyrotron experiments. IEEE Transactions on Plasma Science, 1998, 26, 375-382.	1.3	23
58	Advanced post-acceleration methodology for pseudospark-sourced electron beam. Physics of Plasmas, 2017, 24, .	1.9	22
59	Amplification of Frequency-Swept Signals in a -Band Gyrotron Travelling Wave Amplifier. IEEE Electron Device Letters, 2018, 39, 1077-1080.	3.9	21
60	Super Wide Band, Defected Ground Structure (DGS), and Stepped Meander Line Antenna for WLAN/ISM/WiMAX/UWB and other Wireless Communication Applications. Sensors, 2020, 20, 1735.	3.8	21
61	Wideband Gyro-Amplifiers. IEEE Transactions on Plasma Science, 2012, 40, 1303-1310.	1.3	20
62	Design and Measurement of a W-Band Brewster Window. IEEE Microwave and Wireless Components Letters, 2015, 25, 826-828.	3.2	20
63	Ultralow Scattering and Broadband Metasurface Using Phase Adjustable FSS Elements Embedded With Lumped Resistors. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 793-797.	4.0	20
64	Study of a fast, high-impedance, high-voltage pulse divider. Review of Scientific Instruments, 2001, 72, 4266-4269.	1.3	19
65	Numerical investigation of auroral cyclotron maser processes. Physics of Plasmas, 2010, 17, 056501.	1.9	19
66	Visualization of a Pseudospark-Sourced Electron Beam. IEEE Transactions on Plasma Science, 2014, 42, 2826-2827.	1.3	19
67	Experiments on W-band extended interaction oscillator with pseudospark sourced post-accelerated electron beam. Physics of Plasmas, 2017, 24, .	1.9	19
68	Design Study of a 372-GHz Higher Order Mode Input Coupler. IEEE Transactions on Electron Devices, 2016, , 1-7.	3.0	18
69	Design and Millimeter-Wave Measurement of a Wideband Power Coupling Structure for Sheet Electron Beam Devices. IEEE Transactions on Electron Devices, 2019, 66, 3171-3177.	3.0	18
70	Study of H-Band High-Order Overmoded Power Couplers for Sheet Electron Beam Devices. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 2251-2258.	4.6	18
71	Design and Measurement of an H-Band Rectangular TE₁₀ to TE₂₀ Mode Converter. IEEE Access, 2020, 8, 37242-37249.	4.2	18
72	Optimization of a triode-type cusp electron gun for a W-band gyro-TWA. Physics of Plasmas, 2018, 25, .	1.9	16

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73	Microstrip system on-chip circular polarized (CP) slotted antenna for THz communication application. Journal of Electromagnetic Waves and Applications, 2020, 34, 1029-1038.	1.6	16
74	CNC Machined Helically Corrugated Interaction Region for a THz Gyrotron Traveling Wave Amplifier. IEEE Transactions on Terahertz Science and Technology, 2018, 8, 85-89.	3.1	15
75	Production of Powerful Spatially Coherent Radiation in Planar and Coaxial FEM Exploiting Two-Dimensional Distributed Feedback. IEEE Transactions on Plasma Science, 2009, 37, 1792-1800.	1.3	14
76	Numerical Simulation of a Gyro-BWO with a Helically Corrugated Interaction Region, Cusp Electron Gun and Depressed Collector. , 2011, , .		14
77	Study of the beam profile and position instability of a post-accelerated pseudospark-sourced electron beam. Physics of Plasmas, 2017, 24, .	1.9	14
78	A Millimeter-Wave Klystron Upconverter With a Higher Order Mode Output Cavity. IEEE Transactions on Electron Devices, 2017, 64, 3857-3862.	3.0	14
79	Design and Measurement of a Terahertz Double Staggered Grating Waveguide With an Arc-Shaped Beam Tunnel. IEEE Transactions on Electron Devices, 2019, 66, 4932-4937.	3.0	14
80	Novel Coupling Cavities for Improving the Performance of G-Band Ladder-Type Multigap Extended Interaction Klystrons. IEEE Transactions on Plasma Science, 2020, 48, 1350-1356.	1.3	14
81	Triband Ultrathin Polarization Converter for X/Ku/Ka-Band Microwave Transmission. IEEE Microwave and Wireless Components Letters, 2020, 30, 351-354.	3.2	14
82	Free-electron maser based on a cavity with two- and one-dimensional distributed feedback. Applied Physics Letters, 2008, 92, 211501.	3.3	13
83	Experimental results on microwave pulse compression using helically corrugated waveguide. Journal of Applied Physics, 2010, 108, 054908.	2.5	13
84	Microwave Undulator Using a Helically Corrugated Waveguide. IEEE Transactions on Electron Devices, 2018, 65, 5499-5504.	3.0	13
85	Investigation on the optimal magnetic field of a cusp electron gun for a W-band gyro-TWA. Physics of Plasmas, 2018, 25, .	1.9	13
86	Systematic study of a corrugated waveguide as a microwave undulator. Journal of Synchrotron Radiation, 2019, 26, 11-17.	2.4	13
87	Cyclotron maser radiation from inhomogeneous plasmas. Physics of Plasmas, 2011, 18, 022902.	1.9	12
88	Design and Measurement of a Terahertz Band Rectangular TE₂₀ Mode Power Coupling Structure for High-Order Overmoded Multiple Sheet Electron Beam Devices. IEEE Electron Device Letters, 2020, 41, 920-923.	3.9	12
89	Design, Microfabrication, and Characterization of a Subterahertz-Band High-Order Overmoded Double-Staggered Grating Waveguide for Multiple-Sheet Electron Beam Devices. IEEE Transactions on Electron Devices, 2021, 68, 3021-3027.	3.0	12
90	Cherenkov interaction and post-acceleration experiments of high brightness electron beams from a pseudospark discharge. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 528, 378-381.	1.6	11

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91	Pseudospark-sourced Electron Beam for Millimeter Wave and Terahertz Radiation Generation. , 2009, , .		11
92	A Dual-Frequency Quasi-Optical Output System for a THz Gyro-Multiplier. IEEE Transactions on Terahertz Science and Technology, 2016, 6, 674-681.	3.1	10
93	Multiple-beam and double-mode staggered double vane travelling wave tube with ultra-wide band. Scientific Reports, 2020, 10, 20159.	3.3	10
94	A four-stage depressed collector for a W-band gyro-BWO. , 2011, , .		9
95	A cusp electron gun for millimeter wave gyro-devices. , 2012, , .		9
96	Design of a Kaâ€band MWâ€level high efficiency gyroklystron for accelerators. IET Microwaves, Antennas and Propagation, 2018, 12, 1752-1757.	1.4	9
97	Compact highâ€power millimetre wave sources driven by pseudosparkâ€sourced electron beams. IET Microwaves, Antennas and Propagation, 2019, 13, 1794-1798.	1.4	9
98	Wideband Rectangular TE₁₀ to TE$_{{{n}ext{0}}}$ Mode Converters for Terahertz-Band High-Order Overmoded Planar Slow-Wave Structures. IEEE Transactions on Electron Devices, 2020, 67, 1259-1265.	3.0	9
99	Design and Microfabrication of an Interaction Circuit for a 0.3-THz Sheet Beam Extended Interaction Oscillator With Multiple-Mode Operation. IEEE Transactions on Terahertz Science and Technology, 2021, 11, 425-432.	3.1	9
100	Simultaneous axial and rotational electron beam velocity measurement using a phosphor scintillator. Review of Scientific Instruments, 2001, 72, 2268-2270.	1.3	8
101	Investigation of Frequency-Selective Surfaces for a THz Gyromultiplier Output System. IEEE Transactions on Electron Devices, 2017, 64, 4678-4685.	3.0	8
102	A Compact Gradient Refractive Index Metamaterial Lens for Endfire Fan-Beam Radiation. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 2339-2343.	4.0	8
103	Characteristics of Pseudospark Discharge in Particle-in-Cell Simulations. IEEE Transactions on Electron Devices, 2021, 68, 3003-3009.	3.0	8
104	Dispersion and Dielectric Attenuation Properties of a Wideband Double-Staggered Grating Waveguide for Subterahertz Sheet-Beam Traveling-Wave Amplifiers. IEEE Transactions on Electron Devices, 2021, 68, 5826-5833.	3.0	8
105	A Broadband Extended Interaction Klystron Based on Multimode Operation. IEEE Transactions on Electron Devices, 2022, 69, 802-807.	3.0	8
106	Simulation of high power broadband cyclotron autoresonance maser amplifier and electron beam experiments. Review of Scientific Instruments, 2004, 75, 826-831.	1.3	7
107	Low-Loss Transmission Line for a 3.4-kW, 93-GHz Gyro-Traveling-Wave Amplifier. IEEE Transactions on Electron Devices, 2021, 68, 364-368.	3.0	7
108	8-Fold Helically Corrugated Interaction Region for High Power Gyroresonant THz Sources. IEEE Electron Device Letters, 2021, 42, 1544-1547.	3.9	7

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109	An Easy-to-Fabricate Circular TEâ„‚â‚‚/TEâ‚€â‚•Mode Generator. IEEE Transactions on Electron Devices, 2021, 68, 6532-6537.	3.0	7
110	Fivefold Helically Corrugated Waveguide for High-Power W-Band Gyro-Devices and Pulse Compression. IEEE Transactions on Electron Devices, 2022, 69, 347-352.	3.0	7
111	Experimental study of the space-energetic structure and dynamics of a subnanosecond, dense, subrelativistic electron bunch. , 0, , .		6
112	Scaled design and test of a coupler for micro-reentrant square-cavities for millimeter wave klystrons. , 2013, , .		6
113	Microwave coupler for Wâ€band micro reâ€entrant square cavities. IET Microwaves, Antennas and Propagation, 2016, 10, 764-769.	1.4	6
114	Pseudospark-sourced beam and its application in high-power millimeter-wave generation. Scientific Reports, 2021, 11, 19076.	3.3	6
115	Design and Measurement of Terahertz-Band Rectangular TE₁₀ to Circular TE_{n1}/TE_{0p}/TE_{1q} Mode Converters. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 3009-3019.	4.6	6
116	A Novel Slow-Wave Structureâ€"Coupled Double Folded Waveguide Operating at High-Order TMâ„‚ Mode for Terahertz TWT. IEEE Electron Device Letters, 2021, 42, 1871-1874.	3.9	6
117	A co-harmonic gyro-oscillator with a novel interaction cavity. , 2009, , .		5
118	High-Current Electron Beams for High-Power Free-Electron Masers Based on Two-Dimensional Periodic Lattices. IEEE Transactions on Plasma Science, 2010, 38, 751-763.	1.3	5
119	Study of a pseudospark-sourced G-band EIO. , 2015, , .		5
120	Coupling Structure for a High-Q Corrugated Cavity as a Microwave Undulator. IEEE Transactions on Electron Devices, 2019, 66, 4392-4397.	3.0	5
121	An Extended Interaction Oscillator Capable of Continuous Multimode Operation. IEEE Transactions on Electron Devices, 2021, 68, 6470-6475.	3.0	5
122	RF Pulse Compression Using Helically Corrugated Waveguides. AIP Conference Proceedings, 2006, , .	0.4	4
123	Experimental test of a W-band gyro-TWA for cloud radar applications. , 2016, , .		4
124	Input coupling systems for millimetreâ€wave gyrotron travelling wave amplifiers. IET Microwaves, Antennas and Propagation, 2018, 12, 1748-1751.	1.4	4
125	Horizontal Polarized DC Grounded Omnidirectional Antenna for UAV Ground Control Station. Sensors, 2021, 21, 2763.	3.8	4
126	Performance Enhancement of Photoconductive Antenna Using Saw-Toothed Plasmonic Contact Electrodes. Electronics (Switzerland), 2021, 10, 2693.	3.1	4

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127	A Terahertz Band TE₂₀^{â–¡} Mode Input/Output Coupling Structure for Dual-Sheet-Beam Traveling-Wave Tubes. IEEE Transactions on Plasma Science, 2022, 50, 1360-1368.	1.3	4
128	A Sub-THz High-Order Mode Backward Wave Oscillator Driven by Pseudospark Sourced Multiple Sheet Electron Beams. IEEE Transactions on Electron Devices, 2022, 69, 5216-5222.	3.0	4
129	A W-band Gyro-BWO based on a Helically Corrugated Waveguide. , 2006, , .		3
130	The Design and Simulation of a W-band Gyro-BWO. , 2007, , .		3
131	Latest development of a W-band Gyro-TWA based on a helically corrugated interaction region. , 2015, , .		3
132	Design and Stability Analysis of a High-Order Mode-Staggered Double Vane Traveling Wave Tube With Two Pencil Beams at G-Band. IEEE Transactions on Plasma Science, 2021, 49, 3029-3034.	1.3	3
133	A Multimode Extended Interaction Oscillator With Broad Continuous Electric Tuning Range. IEEE Transactions on Electron Devices, 2022, 69, 3947-3952.	3.0	3
134	The design and simulation of a thermionic cusp-based axis-encircling electron beam for use in harmonic gyro-devices. , 0, , .		2
135	The Design and Simulation of a Cusp Electron Beam Source for a W-Band Gyro-BWO Experiment. , 2007, , .		2
136	Investigation of a 200GHz microklystron driven by a small-scaled pseudospark electron beam. , 2009, , .		2
137	Recent progress on a co-harmonic gyrotron. , 2011, , .		2
138	W-band gyro-TWA using a cusp electron gun and a helically corrugated interaction region. , 2013, , .		2
139	Latest experiments of W-band gyro-BWO using helically corrugated waveguides. , 2013, , .		2
140	TE10Râ€“TE11c input coupler for a low-THz gyro-TWA. , 2015, , .		2
141	High pulse repetition frequency operation of a W-band Gyro-TWA based on a cusp electron beam source. , 2016, , .		2
142	Input coupling systems for mm-wave amplifiers. , 2017, , .		2
143	Measurement of a W-band gyro-TWA experiment based on a helically corrugated interaction region. , 2017, , .		2
144	A high-power Schottky diode frequency multiplier chain at 360 GHz for Gyro-TWA applications. , 2017, , .		2

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145	Design and experiment of a broadband W-band gyro-TWA based on a helically corrugated interaction region. , 2017, , .		2
146	Design and Simulation of a 0.37 THz Gyro-TWA. , 2019, , .		2
147	Compact Photonic-Crystals Based Isolator Using Niâ€“Zn Gyromagnetic Ferrite Posts. Applied Sciences (Switzerland), 2021, 11, 6177.	2.5	2
148	Low Gain Ripple and DC-Grounded Slant-Polarized Formulation With 360Â° Broadbeam Coverage. IEEE Access, 2020, 8, 224190-224199.	4.2	2
149	Design of a Sheet Electron Beam Gun for a Sub-terahertz Travelling Wave Amplifier. , 2020, , .		2
150	The Development of broadband millimeter-wave and terahertz gyro-TWAs. Terahertz Science & Technology, 2020, 13, 90-111.	0.5	2
151	Design of Compact and Easy-to-Fabricate Power Coupling Structures for Sub-Terahertz Sheet Beam Traveling Wave Amplifiers. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 2622-2630.	4.6	2
152	Study of the Ï€-Mode Operation in the Extended Interaction Circuit. IEEE Transactions on Plasma Science, 2022, 50, 649-655.	1.3	2
153	A gyro-TWT with a weak sensitivity to electron velocity spread. , 0, , .		1
154	Experiments of a thermionic gyro-twa based on a helical interaction waveguide. , 0, , .		1
155	Design and Simulation of a Thermionic Cusp Gun for a Gyro-TWA. AIP Conference Proceedings, 2006, , .	0.4	1
156	Comparison of Broadband Gyro-TWA Simulations with Experiments. , 2006, , .		1
157	Design and Simulation of W-Band Gyro-BWO based on a Helically Corrugated Waveguide. , 2007, , .		1
158	A Cusp Gun Gyro-TWA with Helical Interaction Region. , 2007, , .		1
159	Broadband gyro-TWA with thermionic cusp gun: Simulations and comparison with experiment. , 2008, , .		1
160	The simulation of an high power 390GHz large-orbit harmonic gyrotron. , 2008, , .		1
161	A fast multilayer window design tool, simulations and comparison with experiment. , 2008, , .		1
162	The design of a 390 GHz gyrotron based on a cusp electron gun. , 2008, , .		1

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163	Design, simulation and experiment of a cusp electron beam for millimeter wave gyro-devices. , 2009, , .		1
164	Simulation of a four-stage depressed collector for a W-band Gyro-BWO. , 2010, , .		1
165	10.4: Experimental demonstration of a W-band gyro-BWO using a helically corrugated waveguide. , 2010, , .		1
166	Experimental demonstration of a W-band gyro-BWO using a helically corrugated waveguide. , 2010, , .		1
167	Pseudospark-produced micro-sized electron beams for high frequency klystron applications. , 2011, , .		1
168	High frequency radiation generation using pseudospark-sourced e-beam. , 2012, , .		1
169	A high directivity broadband corrugated horn for W-band gyro-devices. , 2012, , .		1
170	A broadband corrugated horn for a W-band gyro-TWA. , 2012, , .		1
171	Numerical investigation of gyro-multiplier schemes. , 2012, , .		1
172	Pseudospark-sourced micro electron beam for a W-band klystron amplifier. , 2012, , .		1
173	An input coupler for a W-band gyro-TWA. , 2013, , .		1
174	A corrugated horn with broadband window for W-band gyro-devices. , 2015, , .		1
175	Further experiments of a W-band gyro-TWA based on a helically corrugated interaction region. , 2015, , .		1
176	Design of a Ka-band MW-level high efficiency gyroklystron for accelerators. , 2017, , .		1
177	Measurement of an upgraded input coupling system for W-band gyro-TWA. , 2017, , .		1
178	Design of a multilayer output window for a 372 GHz gyro-TWA. , 2017, , .		1
179	Broadband output windows for THz gyro-TWAs. , 2018, , .		1
180	Compact Lightweight High Power Millimeter Wave Sources using Pseudospark Plasma Electron Beams. , 2018, , .		1

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181	Output broadband multilayer microwave windows for terahertz gyro-TWAs. , 2018, , .		1
182	0.37 THz gyro-TWA with a cryo-free SCM: Design and simulation. , 2019, , .		1
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