

Yubing Gong

List of Publications by Year in descending order

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papers

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201385

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415
all docs

415
docs citations

415
times ranked

1301
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental Investigation of a High-Power Ka-Band Folded Waveguide Traveling-Wave Tube. IEEE Transactions on Electron Devices, 2011, 58, 2159-2163.	1.6	111
2	Observation of the reversed Cherenkov radiation. Nature Communications, 2017, 8, 14901.	5.8	111
3	Sine Waveguide for 0.22-THz Traveling-Wave Tube. IEEE Electron Device Letters, 2011, 32, 1152-1154.	2.2	107
4	W-Band 1-kW Staggered Double-Vane Traveling-Wave Tube. IEEE Transactions on Electron Devices, 2012, 59, 496-503.	1.6	92
5	A Novel V-Shaped Microstrip Meander-Line Slow-Wave Structure for W-band MMPM. IEEE Transactions on Plasma Science, 2012, 40, 463-469.	0.6	87
6	A watt-class 1-THz backward-wave oscillator based on sine waveguide. Physics of Plasmas, 2012, 19, .	0.7	63
7	A 140-GHz Two-Beam Overmoded Folded-Waveguide Traveling-Wave Tube. IEEE Transactions on Plasma Science, 2011, 39, 847-851.	0.6	61
8	Study on Wideband Sheet Beam Traveling Wave Tube Based on Staggered Double Vane Slow Wave Structure. IEEE Transactions on Plasma Science, 2014, 42, 3996-4003.	0.6	58
9	High-precision digital terahertz phase manipulation within a multichannel field perturbation coding chip. Nature Photonics, 2021, 15, 751-757.	15.6	54
10	All-metal metamaterial slow-wave structure for high-power sources with high efficiency. Applied Physics Letters, 2015, 107, .	1.5	53
11	Metamaterial-Inspired Vacuum Electron Devices and Accelerators. IEEE Transactions on Electron Devices, 2019, 66, 207-218.	1.6	48
12	High-Power Millimeter-Wave BWO Driven by Sheet Electron Beam. IEEE Transactions on Electron Devices, 2013, 60, 471-477.	1.6	47
13	Symmetric Double V-Shaped Microstrip Meander-Line Slow-Wave Structure for W-Band Traveling-Wave Tube. IEEE Transactions on Electron Devices, 2012, 59, 1551-1557.	1.6	46
14	$\frac{1}{\sqrt{\epsilon_r}}$ Band High-Efficiency Metamaterial Microwave Sources. IEEE Transactions on Electron Devices, 2016, 63, 3747-3752.	1.6	46
15	Study of a Log-Periodic Slow Wave Structure for Ka-band Radial Sheet Beam Traveling Wave Tube. IEEE Transactions on Plasma Science, 2013, 41, 2277-2282.	0.6	44
16	Dispersion Characteristics of a Rectangular Helix Slow-Wave Structure. IEEE Transactions on Electron Devices, 2008, 55, 3582-3589.	1.6	42
17	High Isolation Millimeter-Wave Wideband MIMO Antenna for 5G Communication. International Journal of Antennas and Propagation, 2019, 2019, 1-12.	0.7	36
18	A Novel Ridge-Vane-Loaded Folded-Waveguide Slow-Wave Structure for 0.22-THz Traveling-Wave Tube. IEEE Transactions on Electron Devices, 2013, 60, 1228-1235.	1.6	35

#	ARTICLE	IF	CITATIONS
19	Progress towards High-Efficiency and Stable Tin-Based Perovskite Solar Cells. <i>Energies</i> , 2020, 13, 5092.	1.6	35
20	High-order acoustic vortex field generation based on a metasurface. <i>Physical Review E</i> , 2019, 100, 053315.	0.8	34
21	A Rectangular Groove-Loaded Folded Waveguide for Millimeter-Wave Traveling-Wave Tubes. <i>IEEE Transactions on Plasma Science</i> , 2010, 38, 1574-1578.	0.6	31
22	Theoretical and Experimental Research on a Novel Small Tunable PCM System in Staggered Double Vane TWT. <i>IEEE Transactions on Electron Devices</i> , 2015, 62, 4258-4264.	1.6	30
23	Investigation of a Ridge-Loaded Folded-Waveguide Slow-Wave System for the Millimeter-Wave Traveling-Wave Tube. <i>IEEE Transactions on Plasma Science</i> , 2010, 38, 1556-1562.	0.6	29
24	Characterization of Metamaterial Slow-Wave Structure Loaded With Complementary Electric Split-Ring Resonators. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019, 67, 2238-2246.	2.9	29
25	Review of the Novel Slow-Wave Structures for High-Power Traveling-Wave Tube. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2003, 24, 1469-1484.	0.6	28
26	Dual Band Metamaterial Cherenkov Oscillator With a Waveguide Coupler. <i>IEEE Transactions on Electron Devices</i> , 2017, 64, 2376-2382.	1.6	28
27	A Ridge-Loaded Sine Waveguide for S-Band Traveling-Wave Tube. <i>IEEE Transactions on Plasma Science</i> , 2016, 44, 2832-2837.	0.6	27
28	Generating Multiple OAM Based on a Nested Dual-Arm Spiral Antenna. <i>IEEE Access</i> , 2019, 7, 138541-138547.	2.6	27
29	Novel S-Band Metamaterial Extended Interaction Klystron. <i>IEEE Electron Device Letters</i> , 2020, 41, 1580-1583.	2.2	27
30	Study of Traveling Wave Tube With Folded-Waveguide Circuit Shielded by Photonic Crystals. <i>IEEE Transactions on Electron Devices</i> , 2010, 57, 1137-1145.	1.6	26
31	Acoustic impact of the human skull on transcranial photoacoustic imaging. <i>Biomedical Optics Express</i> , 2021, 12, 1512.	1.5	25
32	Some Advances in Theory and Experiment of High-Frequency Vacuum Electron Devices in China. <i>IEEE Transactions on Plasma Science</i> , 2019, 47, 1971-1990.	0.6	24
33	Effect of Attenuation on Backward-Wave Oscillation Start Oscillation Condition. <i>IEEE Transactions on Plasma Science</i> , 2004, 32, 2184-2188.	0.6	23
34	Study of the Symmetrical Microstrip Angular Log-Periodic Meander-Line Traveling-Wave Tube. <i>IEEE Transactions on Plasma Science</i> , 2016, 44, 1787-1793.	0.6	23
35	Study of 220 GHz Dual-Beam Overmoded Photonic Crystal-Loaded Folded Waveguide TWT. <i>IEEE Transactions on Plasma Science</i> , 2019, 47, 2971-2978.	0.6	22
36	A Review of Microwave Vacuum Devices in China: Theory and Device Development Including High-Power Klystrons, Spaceborne TWTs, and Gyro-TWTs. <i>IEEE Microwave Magazine</i> , 2021, 22, 18-33.	0.7	22

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37	Accurate tape analysis of the attenuator-coated helical slow-wave structure. IEEE Transactions on Electron Devices, 2006, 53, 903-909.	1.6	21
38	High-Power Tunable Terahertz Radiation by High-Order Harmonic Generation. IEEE Transactions on Electron Devices, 2013, 60, 482-486.	1.6	21
39	Novel Double Tunnel Staggered Grating Slow Wave Structure for 0.2 THz Traveling Wave Tube. IEEE Electron Device Letters, 2020, 41, 284-287.	2.2	21
40	A research of W-band folded waveguide traveling wave tube with elliptical sheet electron beam. Physics of Plasmas, 2012, 19, .	0.7	20
41	Analysis of Coaxial Ridged Disk-Loaded Slow-Wave Structures for Relativistic Traveling Wave Tubes. IEEE Transactions on Plasma Science, 2004, 32, 1086-1092.	0.6	19
42	Suppression of In-Band Power Holes in Helix Traveling-Wave Tubes. IEEE Transactions on Electron Devices, 2011, 58, 1556-1561.	1.6	19
43	A Novel Slow-Wave Structure—Folded Rectangular Groove Waveguide for Millimeter-Wave TWT. IEEE Transactions on Electron Devices, 2012, 59, 510-515.	1.6	19
44	Stacked dual beam electron optical system for THz integrated wideband traveling wave tube. Physics of Plasmas, 2019, 26, .	0.7	19
45	Novel <i>W</i> -Band Ridge-Loaded Folded Waveguide Traveling Wave Tube. IEEE Electron Device Letters, 2014, 35, 1058-1060.	2.2	18
46	Sheet Electron Beam Transport in a Metamaterial-Loaded Waveguide Under the Uniform Magnetic Focusing. IEEE Transactions on Electron Devices, 2016, 63, 2132-2138.	1.6	18
47	Study on W-band sheet-beam traveling-wave tube based on flat-roofed sine waveguide. AIP Advances, 2018, 8, .	0.6	18
48	Throughput Performance of Wireless Multiple-Input Multiple-Output Systems Using OAM Antennas. IEEE Wireless Communications Letters, 2021, 10, 261-265.	3.2	18
49	Investigation on a W Band Ridge-Loaded Folded Waveguide TWT. IEEE Transactions on Plasma Science, 2011, 39, 1660-1664.	0.6	17
50	A Novel Winding Microstrip Meander-Line Slow-Wave Structure for V-Band TWT. IEEE Electron Device Letters, 2013, 34, 1325-1327.	2.2	17
51	Terahertz Electric Field-Induced Membrane Electroporation by Molecular Dynamics Simulations. Journal of Membrane Biology, 2018, 251, 681-693.	1.0	17
52	Numerical Study of Voltage-Gated Ca ²⁺ Transport Irradiated by Terahertz Electromagnetic Wave. IEEE Access, 2020, 8, 10305-10315.	2.6	17
53	Transient proton transfer of base pair hydrogen bonds induced by intense terahertz radiation. Physical Chemistry Chemical Physics, 2020, 22, 9316-9321.	1.3	17
54	Experimental Investigation of an Electron-Optical System for Terahertz Traveling-Wave Tubes. IEEE Transactions on Electron Devices, 2021, 68, 6498-6504.	1.6	17

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55	Stable Sheet-Beam Transport in Periodic Nonsymmetric Quadrupole Field. IEEE Transactions on Plasma Science, 2010, 38, 32-38.	0.6	16
56	Study on the Radial-Sheet-Beam Electron Optical System. IEEE Transactions on Plasma Science, 2012, 40, 3442-3448.	0.6	16
57	Dispersion Equations of a Rectangular Tape Helix Slow-Wave Structure. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 1445-1456.	2.9	16
58	Study on phase velocity tapered microstrip angular log ϵ -periodic meander line travelling wave tube. IET Microwaves, Antennas and Propagation, 2016, 10, 902-907.	0.7	16
59	Mutual Coupling Reduction between Patch Antennas Using Meander Line. International Journal of Antennas and Propagation, 2018, 2018, 1-7.	0.7	16
60	Investigation of Double Tunnel Sine Waveguide Slow-Wave Structure for Terahertz Dual-Beam TWT. IEEE Transactions on Electron Devices, 2020, 67, 2176-2181.	1.6	16
61	Complex Permittivity Characterization of Liquid Samples Based on a Split Ring Resonator (SRR). Sensors, 2021, 21, 3385.	2.1	16
62	Mode discriminator based on mode-selective coupling. IEEE Transactions on Microwave Theory and Techniques, 2003, 51, 55-63.	2.9	15
63	Study of High-Power Ka-Band Rectangular Double-Grating Sheet Beam BWO. IEEE Transactions on Plasma Science, 2014, 42, 1502-1508.	0.6	15
64	Analysis and Simulation of a Multigap Sheet Beam Extended Interaction Relativistic Klystron Amplifier. IEEE Transactions on Plasma Science, 2015, 43, 1862-1870.	0.6	15
65	Investigation of Ridge-Loaded Folded Rectangular Groove Waveguide Slow-Wave Structure for High-Power Terahertz TWT. IEEE Transactions on Electron Devices, 2018, 65, 2170-2176.	1.6	15
66	Design of a Cascade Backward-Wave Oscillator Based on Metamaterial Slow-Wave Structure. IEEE Transactions on Electron Devices, 2018, 65, 1172-1178.	1.6	15
67	Thermoacoustic endoscopy. Applied Physics Letters, 2020, 116, .	1.5	15
68	Optical Realization of Wave-Based Analog Computing with Metamaterials. Applied Sciences (Switzerland), 2021, 11, 141.	1.3	15
69	Compact reversed Cherenkov radiation oscillator with high efficiency. Applied Physics Letters, 2022, 120, .	1.5	15
70	Study of Corrugated Elliptical Waveguides for Slow-Wave Structures. IEEE Transactions on Electron Devices, 2007, 54, 151-156.	1.6	14
71	Dual ϵ -band circularly polarised planar monopole antenna for WLAN/Wi ϵ Fi/Bluetooth/WiMAX applications. IET Microwaves, Antennas and Propagation, 2018, 12, 972-976.	0.7	14
72	Broad-Band Multiple OAMs ϵ ™ Generation With Eight-Arm Archimedean Spiral Antenna (ASA). IEEE Access, 2020, 8, 53232-53239.	2.6	14

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73	Study of a miniaturized dual-beam TWT with planar dielectric-rods-support uniform metallic meander line. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	13
74	Input and Output Couplers for an Oversized Coaxial Relativistic Klystron Amplifier at Ka-Band. <i>IEEE Transactions on Electron Devices</i> , 2019, 66, 2758-2763.	1.6	13
75	Multiphysics analysis for unusual heat convection in microwave heating liquid. <i>AIP Advances</i> , 2020, 10, .	0.6	13
76	High-efficiency threshold-less Cherenkov radiation generation by a graphene hyperbolic grating in the terahertz band. <i>Carbon</i> , 2021, 183, 225-231.	5.4	13
77	A Tapered Ridge-loaded Folded Waveguide Slow-wave Structure for Millimeter-wave Traveling-wave Tube. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2012, 33, 131-140.	1.2	12
78	Investigation on Sheet Beam Folded V-Shape Groove Waveguide for Millimeter-Wave TWT. <i>IEEE Transactions on Plasma Science</i> , 2016, 44, 1363-1368.	0.6	12
79	Study on Radial Sheet Beam Electron Optical System for Miniature Low-Voltage Traveling-Wave Tube. <i>IEEE Transactions on Electron Devices</i> , 2017, 64, 3405-3412.	1.6	12
80	Oversized coaxial relativistic extended interaction oscillator with gigawatt-level output at Ka-band. <i>Physics of Plasmas</i> , 2019, 26, 043107.	0.7	12
81	A Novel Scheme for Gain and Power Enhancement of THz TWTs by Extended Interaction Cavities. <i>IEEE Transactions on Electron Devices</i> , 2020, 67, 667-672.	1.6	12
82	Automated segmentation of retinal nonperfusion area in fluorescein angiography in retinal vein occlusion using convolutional neural networks. <i>Medical Physics</i> , 2021, 48, 648-658.	1.6	12
83	Theoretical investigation on the effect of terahertz wave on Ca ²⁺ transport in the calcium channel. <i>IScience</i> , 2022, 25, 103561.	1.9	12
84	Impact of attenuator models on computed traveling wave tube performances. <i>Physics of Plasmas</i> , 2007, 14, .	0.7	11
85	Development of a 140-GHz folded-waveguide traveling-wave tube in a relatively larger circular electron beam tunnel. <i>Journal of Electromagnetic Waves and Applications</i> , 2017, 31, 1914-1923.	1.0	11
86	Design and Cold Test of Dual Beam Azimuthal Supported Angular Log-Periodic Strip-Line Slow Wave Structure. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2020, 41, 785-795.	1.2	11
87	Comprehensive Assessment of Coronary Calcification in Intravascular OCT Using a Spatial-Temporal Encoder-Decoder Network. <i>IEEE Transactions on Medical Imaging</i> , 2022, 41, 857-868.	5.4	11
88	Novel Folded Frame Slow-Wave Structure for Millimeter-Wave Traveling-Wave Tube. <i>IEEE Transactions on Electron Devices</i> , 2013, 60, 3895-3900.	1.6	10
89	A Modified Slow-Wave Structure for Backward-Wave Oscillator Design in THz Band. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2014, 4, 741-748.	2.0	10
90	Full-wave analysis of the high frequency characteristics of the sine waveguide slow-wave structure. <i>AIP Advances</i> , 2017, 7, 085111.	0.6	10

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91	Third-Harmonic Traveling-Wave Tube Multiplier-Amplifier. IEEE Transactions on Electron Devices, 2018, 65, 2189-2194.	1.6	10
92	Complex Permittivity Measurement of High-Loss Biological Material with Improved Cavity Perturbation Method in the Range of 26.5~40 GHz. Electronics (Switzerland), 2020, 9, 1200.	1.8	10
93	Stent detection with very thick tissue coverage in intravascular OCT. Biomedical Optics Express, 2021, 12, 7500.	1.5	10
94	Analysis of the Dispersion Characteristic and Interaction Impedance of a Tape Helix Slow Wave Structure with Novel Supporting Mode. International Journal of Electronics, 2004, 91, 309-318.	0.9	9
95	Design and fabrication of Q-band folded waveguide Traveling-Wave Tube. , 2012, , .		9
96	Study of Low-Voltage Radial Convergent Sheet Electron Optical System. IEEE Transactions on Plasma Science, 2014, 42, 1847-1853.	0.6	9
97	Study on two kinds of novel 220 GHz folded-waveguide traveling-wave tube. Japanese Journal of Applied Physics, 2014, 53, 036201.	0.8	9
98	A High-Power Single Rectangular Grating Sheet Electron Beam Traveling-Wave Tube. IEEE Transactions on Electron Devices, 2016, 63, 3262-3269.	1.6	9
99	THz electromagnetic radiation driven by intense relativistic electron beam based on ion focus regime. Physics of Plasmas, 2016, 23, 063107.	0.7	9
100	Investigation of 0.38~THz backward-wave oscillator based on slotted sine waveguide and pencil electron beam. Physics of Plasmas, 2016, 23, .	0.7	9
101	Compact wideband MIMO antenna for 5G communication. , 2017, , .		9
102	Sheet Beam Electron Gun with High Current for 220 GHz TWT. , 2018, , .		9
103	Novel Helical Groove Rectangular Waveguide Slow Wave Structure for 0.2 THz Traveling Wave Tube. IEEE Electron Device Letters, 2019, 40, 1526-1529.	2.2	9
104	Investigation on a Ka Band Diamond-Supported Meander-Line SWS. Journal of Infrared, Millimeter, and Terahertz Waves, 2020, 41, 1460-1468.	1.2	9
105	Theory and Experiment of High-Gain Modified Angular Log-Periodic Folded Waveguide Slow Wave Structure. IEEE Electron Device Letters, 2020, 41, 1237-1240.	2.2	9
106	Investigation of the Slow-Wave Properties of a Dielectric-Lined Azimuthally Periodic Circular Waveguide for TWT. IEEE Transactions on Electron Devices, 2010, 57, 2019-2026.	1.6	8
107	A 1-kW 32~34-GHz Folded Waveguide Traveling Wave Tube. IEEE Transactions on Plasma Science, 2014, 42, 8-12.	0.6	8
108	High power folded waveguide traveling wave tube based on variable-width technology. Physics of Plasmas, 2019, 26, .	0.7	8

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109	Experimental Advances in 220 GHz Sheet-Beam Traveling-Wave Tubes. , 2019, , .		8
110	Focusing of the Sheet Electron Beam With Two-Plane Periodic Cusped Magnetic System for Terahertz TWTs. IEEE Transactions on Electron Devices, 2021, 68, 3056-3062.	1.6	8
111	Analysis of the instability in relativistic traveling wave tube. Journal of Infrared, Millimeter and Terahertz Waves, 1997, 18, 2219-2232.	0.6	7
112	Left-Handed/Right-Handed Transmission Line Subwavelength Cavity Resonators. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 80-83.	2.4	7
113	Linear analysis of a W band groove-loaded folded waveguide traveling wave tube. Physics of Plasmas, 2010, 17, 113305.	0.7	7
114	U-shaped microstrip meander-line slow-wave structure for Ka-band traveling-wave tube. , 2012, , .		7
115	A high efficiency Q-band folded waveguide Traveling-Wave Tube. , 2014, , .		7
116	A Novel Folded Waveguide for V-Band TWT. IEEE Transactions on Plasma Science, 2015, 43, 4088-4091.	0.6	7
117	Low-Cost Dual-Band Multipolarization Aperture-Shared Antenna With Single-Layer Substrate. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1337-1341.	2.4	7
118	Flexibly Extensible Planar Self-Isolated Wideband MIMO Antenna for 5G Communications. Electronics (Switzerland), 2019, 8, 994.	1.8	7
119	Ka-band dual sheet beam traveling wave tube using supported planar ring-bar slow wave structure. Journal of Electromagnetic Waves and Applications, 2020, 34, 2236-2250.	1.0	7
120	Interpretation of the molecular mechanism of the electroporation induced by symmetrical bipolar picosecond pulse trains. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183213.	1.4	7
121	High Power Angular Radial Staggered Vane Backward Wave Oscillator at W-Band. IEEE Electron Device Letters, 2020, 41, 765-768.	2.2	7
122	Characteristic Study of the Periodically Iris-Loaded Elliptical Waveguide for Slow-Wave Structures. Journal of Infrared, Millimeter and Terahertz Waves, 2005, 26, 1355-1368.	0.6	6
123	Analytical Exploration of Folded Waveguide Circuit Design for High-power Traveling-wave Tube Amplifier. Journal of Infrared, Millimeter, and Terahertz Waves, 2011, 32, 407-417.	1.2	6
124	A novel helical slow-wave structure for millimeter-wave traveling-wave tube. , 2012, , .		6
125	Extended interaction oversized coaxial relativistic klystron amplifier with gigawatt-level output at Ka band. Physics of Plasmas, 2018, 25, .	0.7	6
126	Designing a Water-Immersed Rectangular Horn Antenna for Generating Underwater OAM Waves. Electronics (Switzerland), 2019, 8, 1224.	1.8	6

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127	3-D Fast Nonlinear Simulation for Beam-Wave Interaction of Sheet Beam Traveling-Wave Tube. IEEE Transactions on Electron Devices, 2019, 66, 1504-1511.	1.6	6
128	Tertiary Base Triple Formation in the SRV-1 Frameshifting Pseudoknot Stabilizes Secondary Structure Components. Biochemistry, 2020, 59, 4429-4438.	1.2	6
129	0.2-THz Traveling Wave Tube Based on the Sheet Beam and a Novel Staggered Double Corrugated Waveguide. IEEE Transactions on Plasma Science, 2020, 48, 3229-3237.	0.6	6
130	Smith-Purcell radiation based on the transmission enhancement of a subwavelength hole array with inner tunnels. Optics Express, 2021, 29, 7767.	1.7	6
131	Design and Experiments of the Sheet Electron Beam Transport with Periodic Cusped Magnetic Focusing for Terahertz Traveling-Wave Tubes. Electronics (Switzerland), 2021, 10, 3051.	1.8	6
132	A Novel Slow-Wave Structure-Coupled Double Folded Waveguide Operating at High-Order TM _{0,2} Mode for Terahertz TWT. IEEE Electron Device Letters, 2021, 42, 1871-1874.	2.2	6
133	Approach to a Coaxial Arbitrary-Shaped Groove Cylindrical Waveguide for Application in Wideband Gyro-TWTs. IEEE Transactions on Plasma Science, 2007, 35, 551-558.	0.6	5
134	Design of wide-band mode discriminator based on mode-selective coupling. International Journal of Electronics, 2008, 95, 99-110.	0.9	5
135	Linear Analysis of Dielectric-Lined Azimuthally Periodic Circular Waveguide for TWT. IEEE Transactions on Plasma Science, 2011, 39, 1673-1679.	0.6	5
136	Generation of high-power tunable terahertz-radiation by nonrelativistic beam-echo harmonic effect. Physics of Plasmas, 2013, 20, 013303.	0.7	5
137	Dispersion, spatial growth rate, and start current of a Cherenkov free-electron laser with negative-index material. Physics of Plasmas, 2015, 22, 083111.	0.7	5
138	Mutual coupling reduction in patch antenna arrays. , 2018, , .		5
139	Study on single radial sheet beam azimuthal support angular log-periodic strip line Travelling Wave Tube. , 2018, , .		5
140	Angular log-periodic meander line traveling wave tube based on quartz substrate. , 2018, , .		5
141	Modulation of Voltage-Gated Calcium Influx by Electromagnetic Irradiation With Terahertz Gaussian Pulse. IEEE Access, 2020, 8, 133673-133680.	2.6	5
142	The Effect of KcsA Channel on Lipid Bilayer Electroporation Induced by Picosecond Pulse Trains. Journal of Membrane Biology, 2020, 253, 271-286.	1.0	5
143	Study of an Attenuator Supporting Meander-Line Slow Wave Structure for Ka-Band TWT. Electronics (Switzerland), 2021, 10, 2372.	1.8	5
144	Study on an X-Band Sheet Beam Meander-Line SWS. IEEE Transactions on Plasma Science, 2020, 48, 4149-4154.	0.6	5

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145	On the molecular mechanisms implicated in the bipolar cancellation of membrane electroporation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2022, 1864, 183811.	1.4	5
146	A Novel Tunable PCM Focusing System for a 220 GHz Sheet Beam Electron Gun. , 2020, , .		5
147	A Three-stage Depressed Collector for 220 GHz Sheet Beam Traveling-wave Tubes. , 2020, , .		5
148	Design of a <i>Ka</i> -Band Traveling Wave Tube Using Low Turn-On Field Emission Electron Source Made by Carbon Nanotubes. <i>IEEE Transactions on Plasma Science</i> , 2022, 50, 29-35.	0.6	5
149	Experimental Investigation of a Shape-Optimized Staggered Double-Vane Slow-Wave Structure for Terahertz Traveling-Wave Tubes. <i>IEEE Transactions on Electron Devices</i> , 2022, 69, 4632-4637.	1.6	5
150	Effect of Attenuator on BWO Start Oscillation Condition in a Helix Millimeter Wave TWT Under Magnetic Focusing. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2004, 25, 1175-1182.	0.6	4
151	Analysis of Elliptical Ridged Waveguide. , 2006, , .		4
152	The Small Signal Analysis of a Centered Dielectric-Rod Loaded, Arbitrarily-Shaped Helical Groove Traveling-Wave-Tube. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2007, 28, 1051-1062.	0.6	4
153	Investigation into the Effect of Dielectric Loss on RF Characteristics of Helical SWS. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2008, 29, 23-34.	0.6	4
154	Investigation of the Dielectric-Loaded Folded Waveguide Traveling-Wave Tube Amplifier. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2009, 30, 1027-1037.	1.2	4
155	20.3: High power Ka-band Folded Waveguide Traveling-Wave Tube. , 2010, , .		4
156	Beam-wave interaction study on a novel Ka-band ring-shaped microstrip meander-line slow wave structure. , 2014, , .		4
157	Development of metamaterial microwave radiation sources. , 2015, , .		4
158	A new metamaterial-based UWB MIMO antenna. , 2015, , .		4
159	Recent advances in theory and experiment of metamaterial-based high power radiation sources. , 2016, , .		4
160	Theoretical investigation of rectangular sheet beam transport in a waveguide loaded by a metamaterial. , 2016, , .		4
161	0.85 THz truncated sine waveguide traveling-wave tube with sheet beam tunnel. <i>Journal of Engineering</i> , 2018, 2018, 665-668.	0.6	4
162	Review of metamaterial-inspired vacuum electron devices. , 2018, , .		4

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163	Study on the ridge loaded azimuthal supported angular log-periodic strip meander line slow wave structure. , 2018, , .		4
164	Numerical Study on Calcium Transport Through Voltage-Gated Calcium Channels in Response to Nanosecond Pulsed Electric Field. IEEE Transactions on Plasma Science, 2018, 46, 2562-2572.	0.6	4
165	Microfabrication of A Conformal Microstrip Angular Log-periodic Meander Line TWT. , 2019, , .		4
166	Generating and Detecting Broad-Band Underwater Multiple OAMs Based on Water-Immersed Array. IEEE Access, 2020, 8, 149586-149594.	2.6	4
167	Simulation of terahertz-band metamaterial sensor for thin film analyte detection. AIP Advances, 2020, 10, .	0.6	4
168	Defect Detection in Graphene Preparation Based on Near-Field Scanning Microwave Microscopy. IEEE Microwave and Wireless Components Letters, 2020, 30, 757-760.	2.0	4
169	Maximizing the Field Emission Performance of Graphene Arrays. Nanomaterials, 2020, 10, 2003.	1.9	4
170	Theory, Simulation, and Analysis of the High-Frequency Characteristics for a Meander-Line Slow-Wave Structure Based on Field-Matching Methods With Dyadic Green's Function. IEEE Transactions on Electron Devices, 2020, 67, 697-703.	1.6	4
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