Anirban Bera

List of Publications by Year
in descending order

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Version: 2024-02-01

31 papers	124 citations	1478505 6 h-index	1372567 10 g-index
31 all docs	31 docs citations	31 times ranked	106 citing authors

#	Article	IF	Citations
1	Three-Dimensional Simulation of MIG for 42-GHz 200-kW Gyrotron. IEEE Transactions on Plasma Science, 2010, 38, 1546-1550.	1.3	18
2	Integrated Design of Undepressed Collector for Low Power Gyrotron. Journal of Infrared, Millimeter, and Terahertz Waves, 2011, 32, 733-741.	2.2	14
3	Design Study of GW-THz Wave Transmission Without Mode Competition in an Oversized Relativistic Backward Wave Oscillator. IEEE Transactions on Plasma Science, 2017, 45, 610-622.	1.3	14
4	Effects on electronics exposed to high-power microwaves on the basis of a relativistic backward-wave oscillator operating on the X-band. Journal of Electromagnetic Waves and Applications, 2017, 31, 1875-1901.	1.6	11
5	A Novel Approach for Computation of High-Order Axial Modes in a Gyrotron Resonator. IEEE Transactions on Electron Devices, 2018, 65, 5505-5510.	3.0	8
6	Analysis of Helix Slow Wave Structure for High Efficiency Space TWT. Journal of Infrared, Millimeter, and Terahertz Waves, 2009, 30, 211-216.	2.2	6
7	SUNRAY-1D code for accurate and fast large signal analysis of a helix TWT. , 2008, , .		5
8	Design of MIG for 42GHz, 200kW Gyrotron. , 2008, , .		5
9	Design of interaction cavity for 42 GHz, 200 kW CW/long pulse gyrotron. , 2009, , .		5
10	P3-1: Design of 42 GHz, 200 kW Gyrotron. , 2010, , .		5
11	Design and Development of MIG for 170-GHz Gyrotron. IEEE Transactions on Plasma Science, 2018, 46, 1984-1989.	1.3	5
12	Development of 42-GHz, 200-kW Gyrotron for Indian Tokamak System Tested in the Regime of Short Pulselength. IEEE Transactions on Plasma Science, 2019, 47, 4658-4663.	1.3	5
13	Simulation of 2-section SWS for high gain, high efficiency helix TWT. , 2007, , .		3
14	Design of Coaxial Couplers for High Efficiency Helix TWT. Journal of Infrared, Millimeter and Terahertz Waves, 2008, 29, 1083-1090.	0.6	3
15	Energy distribution of electrons from cathode in magnetron injection gun. , 2018, , .		3
16	Design and Analysis of a Wideband Staggered Double-Vane Slow-Wave Structure for W-Band Amplifier. IEEE Transactions on Plasma Science, 2021, 49, 251-257.	1.3	3
17	Design and development of Ku-band 140W space TWT. , 2008, , .		2
18	Tapered Cavity Measurement for 42-GHz, 200-kW Gyrotron. IEEE Transactions on Plasma Science, 2019, 47, 3148-3154.	1.3	2

#	Article	IF	Citations
19	Low-level RF control of a klystron for medical linear accelerator applications. AIP Advances, 2019, 9, 025012.	1.3	2
20	Design of helix SWS for high efficiency, stable gain, ku-band space TWT. , 0, , .		1
21	Modeling of a multistage collector for a high efficiency space TWT. , 0, , .		1
22	Design and Evaluation of Electron Gun and Beam Focusing for Ku-band 140W Space TWT. , 0, , .		1
23	Study of thermal effects on 200kW, 42GHz Gyrotron cavity. , 2008, , .		1
24	Investigation of a Sheet Beam RF Structure with Bragg Reflector for W band Amplifier. , 2019, , .		1
25	Carbon coated electrodes for multistage depressed collector of high efficiency helix TWTs. , 2008, , .		0
26	Helical slow wave structure for space TWTs- a design approach. , 2008, , .		0
27	Design of helical slow wave structure for Ka-band 40W space TWT. , 2009, , .		0
28	Study of interaction structure for 120GHz,1MW Gyrotron. , 2009, , .		0
29	Transient pulse analysis of ionized electronics exposed to Î³-radiation generated from a relativistic electron beam. AIP Advances, 2018, 8, 025001.	1.3	0
30	Numerical Investigations into Higher Order Axial Modes of Terahertz Gyrotron Resonator with Significantly Up-Tapered Midsection. IEEE Transactions on Plasma Science, 2020, 48, 1357-1362.	1.3	0
31	Investigation of electron optical gun and beam collectorÂfor 42â€‰GHz, 200â€‰kW second harmonic gyrotron. Journal of Electromagnetic Waves and Applications, 2021, 35, 672-689.	1.6	0