Yuusuke Yamaguchi

List of Publications by Year
in descending order

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27	359	840776 11	794594 19
papers	citations	h-index	g-index

27	27	27	231
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Observation of Dynamic Interactions between Fundamental and Second-Harmonic Modes in a High-Power Sub-Terahertz Gyrotron Operating in Regimes of Soft and Hard Self-Excitation. Physical Review Letters, 2012, 109, 155001.	7.8	47
2	Development of a kW Level-200ÂGHz Gyrotron FU CW GI with an Internal Quasi-optical Mode Convertor. Journal of Infrared, Millimeter, and Terahertz Waves, 2012, 33, 292-305.	2.2	39
3	Formation of a laminar electron flow for 300â€‰GHz high-power pulsed gyrotron. Physics of Plasmas, 2012, 19, .	1.9	30
4	Development of the Multifrequency Gyrotron FU CW GV with Gaussian Beam Output. Journal of Infrared, Millimeter, and Terahertz Waves, 2015, 36, 697-708.	2.2	25
5	Development of second harmonic gyrotrons, Gyrotron FU CW GII and Gyrotron FU CW GIII, equipped with internal mode converters. Journal of Infrared, Millimeter, and Terahertz Waves, 2014, 35, 169-178.	2.2	24
6	Characteristics of the mode converter of Gyrotron FU CW GII radiating Gaussian beams in both the fundamental and second harmonic frequency bands. Journal of Infrared, Millimeter, and Terahertz Waves, 2014, 35, 517-524.	2.2	19
7	Broadband Continuously Frequency Tunable Gyrotron for 600 MHz DNP-NMR Spectroscopy. Plasma and Fusion Research, 2014, 9, 1206058-1206058.	0.7	18
8	Development of 300 GHz Band Gyrotron for Collective Thomson Scattering Diagnostics in the Large Helical Device. Plasma and Fusion Research, 2017, 12, 1206013-1206013.	0.7	17
9	Electromagnetic Modeling of a Complex-Cavity Resonator for the 0.4-THz Second-Harmonic Frequency-Tunable Gyrotron. IEEE Transactions on Electron Devices, 2017, 64, 5141-5146.	3.0	16
10	Subterahertz Wireless Power Transmission Using 303-GHz Rectenna and 300-kW-Class Gyrotron. IEEE Microwave and Wireless Components Letters, 2018, 28, 834-836.	3.2	16
11	Observation of Ion Cyclotron Emission Owing to DD Fusion Product H Ions in JT-60U. Plasma and Fusion Research, 2010, 5, S2067-S2067.	0.7	14
12	THz irradiation inhibits cell division by affecting actin dynamics. PLoS ONE, 2021, 16, e0248381.	2.5	13
13	Reflective Gyrotron Backward-Wave Oscillator With Piecewise Frequency Tunability. IEEE Transactions on Electron Devices, 2021, 68, 324-329.	3.0	12
14	Effect of Reflection on Mode Competition and Multi-Frequency Oscillation in a High-Power Sub-THz Gyrotron: Experimental Observation and Theoretical Analysis. Journal of Infrared, Millimeter, and Terahertz Waves, 2020, 41, 697-710.	2.2	9
15	Formation of Laminar Electron Flow for a High-Power Sub-THz Gyrotron. Plasma and Fusion Research, 2012, 7, 1205004-1205004.	0.7	9
16	Saturation Effects in Frequency Pulling of Gyrotrons Operating in High-Order Axial Modes. IEEE Transactions on Plasma Science, 2018, 46, 2848-2855.	1.3	7
17	Super Multi-Frequency Oscillations at Fundamental Harmonics With a Complex Cavity Gyrotron. IEEE Electron Device Letters, 2020, 41, 1241-1244.	3.9	7
18	Development of Gyrotron FU CW GVII: a Second Harmonic, Multifrequency Gyrotron that Radiates Gaussian Beams. Journal of Infrared, Millimeter, and Terahertz Waves, 2020, 41, 576-589.	2.2	7

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19	Improvement of ICRF Antenna Loading in the Minimum-B Configuration on GAMMA 10. Plasma and Fusion Research, 2012, 7, 2402136-2402136.	0.7	7
20	Oscillation Characteristics of a High Power 300 GHz Band Pulsed Gyrotron for Use in Collective Thomson Scattering Diagnostics. Plasma and Fusion Research, 2019, 14, 1406104-1406104.	0.7	5
21	Nonadiabatic Effects on Beam-Quality Parameters for Frequency-Tunable Gyrotrons. IEEE Transactions on Electron Devices, 2020, 67, 341-346.	3.0	4
22	Contribution of Microwave to the Formation of Octacalcium Phosphate Intercalating Succinate Ions. Journal of Infrared, Millimeter, and Terahertz Waves, 2021, 42, 409-415.	2.2	4
23	Irradiation effect of a submillimeter wave from 420â€…GHz gyrotron on amyloid peptides in vitro. Biomedical Optics Express, 2020, 11, 5341.	2.9	4
24	Experiment for Over 200 kW Oscillation of a 295 GHz Pulse Gyrotron. Plasma and Fusion Research, 2013, 8, 1205165-1205165.	0.7	3
25	Transmission Characteristics of Hybrid Modes in Corrugated Waveguides Above the Bragg Frequency. Journal of Infrared, Millimeter, and Terahertz Waves, 2017, 38, 853-873.	2.2	2
26	Observation of Multi-Frequency Oscillations at Second-Harmonics with a Two-Cavity Sub-THz Gyrotron. , 2020, , .		1
27	Investigation on Optimal Limiter Condition for Stable Sustainment of the Potential Confined Plasma in GAMMA 10. Plasma and Fusion Research, 2010, 5, S2074-S2074.	0.7	0