

Yuusuke Yamaguchi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4964390/publications.pdf>

Version: 2024-02-01

27
papers

359
citations

840776

11
h-index

794594

19
g-index

27
all docs

27
docs citations

27
times ranked

231
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Reflective Gyrotron Backward-Wave Oscillator With Piecewise Frequency Tunability. IEEE Transactions on Electron Devices, 2021, 68, 324-329. | 3.0 | 12 |
| 2 | 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 |
| 3 | THz irradiation inhibits cell division by affecting actin dynamics. PLoS ONE, 2021, 16, e0248381. | 2.5 | 13 |
| 4 | Nonadiabatic Effects on Beam-Quality Parameters for Frequency-Tunable Gyrotrons. IEEE Transactions on Electron Devices, 2020, 67, 341-346. | 3.0 | 4 |
| 5 | 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 |
| 6 | Super Multi-Frequency Oscillations at Fundamental Harmonics With a Complex Cavity Gyrotron. IEEE Electron Device Letters, 2020, 41, 1241-1244. | 3.9 | 7 |
| 7 | 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 |
| 8 | Irradiation effect of a submillimeter wave from 420 GHz gyrotron on amyloid peptides in vitro. Biomedical Optics Express, 2020, 11, 5341. | 2.9 | 4 |
| 9 | Observation of Multi-Frequency Oscillations at Second-Harmonics with a Two-Cavity Sub-THz Gyrotron. , 2020, , . | | 1 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |
| 13 | 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 |
| 14 | 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 |
| 15 | 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 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Broadband Continuously Frequency Tunable Gyrotron for 600 MHz DNP-NMR Spectroscopy. Plasma and Fusion Research, 2014, 9, 1206058-1206058. | 0.7 | 18 |
| 20 | Experiment for Over 200 kW Oscillation of a 295 GHz Pulse Gyrotron. Plasma and Fusion Research, 2013, 8, 1205165-1205165. | 0.7 | 3 |
| 21 | 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 |
| 22 | Formation of a laminar electron flow for 300 GHz high-power pulsed gyrotron. Physics of Plasmas, 2012, 19, . | 1.9 | 30 |
| 23 | Development of a kW Level-200 GHz 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 |
| 24 | Formation of Laminar Electron Flow for a High-Power Sub-THz Gyrotron. Plasma and Fusion Research, 2012, 7, 1205004-1205004. | 0.7 | 9 |
| 25 | Improvement of ICRF Antenna Loading in the Minimum-B Configuration on GAMMA 10. Plasma and Fusion Research, 2012, 7, 2402136-2402136. | 0.7 | 7 |
| 26 | 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 |
| 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 |