

Mikhail D Proyavin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/463170/publications.pdf>

Version: 2024-02-01

31
papers

278
citations

1478505

6
h-index

888059

17
g-index

31
all docs

31
docs citations

31
times ranked

174
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental tests of a 263 GHz gyrotron for spectroscopic applications and diagnostics of various media. Review of Scientific Instruments, 2015, 86, 054705.	1.3	108
2	First experimental tests of powerful 250 GHz gyrotron for future fusion research and collective Thomson scattering diagnostics. Review of Scientific Instruments, 2018, 89, 084702.	1.3	56
3	Millimeter-Wave Gyrotron Research System. I. Description of the Facility. Radiophysics and Quantum Electronics, 2019, 61, 752-762.	0.5	30
4	A 250-Watts, 0.5-THz Continuous-Wave Second-Harmonic Gyrotron. IEEE Electron Device Letters, 2021, 42, 1666-1669.	3.9	19
5	Experimental Study of the Interaction of a Laser Plasma Flow with a Transverse Magnetic Field. Radiophysics and Quantum Electronics, 2021, 63, 876-886.	0.5	8
6	Experimental Demonstration of the Possibility to Expand the Band of Smooth Tuning of Frequency Generation in Short-Cavity Gyrotrons. Radiophysics and Quantum Electronics, 2019, 61, 797-800.	0.5	6
7	A Magneto-Armored Warm-Solenoid Based System for K-Band Gyrodevices. Instruments and Experimental Techniques, 2020, 63, 97-100.	0.5	6
8	Pulsed magnetic field generation system for laser-plasma research. Review of Scientific Instruments, 2021, 92, 123506.	1.3	6
9	Magnetically shielded electron-optical system of a continuous gyrotron with an operating frequency of 24 GHz. Journal of Communications Technology and Electronics, 2017, 62, 1165-1171.	0.5	5
10	Design and Test of 253/527 GHz Gyrotron for Spectroscopy Applications. , 2019, , .		5
11	Status of a new 28 GHz continuous wave gasdynamic electron cyclotron resonance ion source development at IAP RAS. AIP Conference Proceedings, 2018, , .	0.4	4
12	To the Theory of Gyrotrons with Wide Emitters. Journal of Infrared, Millimeter, and Terahertz Waves, 2020, 41, 141-151.	2.2	4
13	Study of 3D-Printed Dielectric Barrier Windows for Microwave Applications. Electronics (Switzerland), 2021, 10, 2225.	3.1	4
14	A magnetron injection gun with a reduced filament temperature and elongated cathode lifetime. Technical Physics Letters, 2013, 39, 1068-1070.	0.7	2
15	Parameters of a CW Plasma Torch of Atmospheric Pressure Sustained by Focused Sub-Terahertz Gyrotron Radiation. , 2018, , .		2
16	2D Bragg Resonators Based on Planar Dielectric Waveguides (from Theory to Model-Based Testing). Semiconductors, 2019, 53, 1282-1286.	0.5	2
17	Development of a High-Power Continuous-Wave Gyrotron for High-Efficiency Technological K-Band Microwave Complexes. Radiophysics and Quantum Electronics, 2019, 62, 506-512.	0.5	2
18	Dynamics of a Sub-terahertz Discharge in the Heavy Noble Gases Produced by a High-density Radiation Field. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
19	Development and experimental tests of 250W/526 GHz/CW second harmonic gyrotron. , 2021, , .		2
20	Optimization of Collector Systems of Technological Gyrotrons with Shielded Magnetic Systems. Radiophysics and Quantum Electronics, 2020, 63, 413-421.	0.5	2
21	Recent Progress in K-band Technological Gyrotrons Development. , 2019, , .		1
22	An Experimental Study of the Influence of the Longitudinal Magnetic-Field Distribution Profile on the Output Characteristics of a Gyrotron. Instruments and Experimental Techniques, 2021, 64, 97-101.	0.5	1
23	Development of highly efficient technological medium-power multi-frequency gyrotrons for plasma applications based on magnetically-shielded solenoids. , 2020, , .		1
24	Development of THz range CW gyrotrons at IAP RAS. , 2015, , .		0
25	Project of CW high harmonics double-beam gyrotrons with operating frequencies in the range 0.7–1.0 THz. , 2015, , .		0
26	Gyrotron-Based Microwave Systems for Technological Applications: Recent Experiments and New Designs. , 2018, , .		0
27	Development of Middle-Power W-Band Gyrotron in IAP RAS. , 2018, , .		0
28	Pumping Systems for Compton FEL-Scattrons: RF-Undulators and Powering Relativistic Masers. , 2021, , .		0
29	Low-voltage Gyrotron as Simple Mm-Wave Source. , 2021, , .		0
30	â€œFlyingâ€•RF-undulators for Compton FELs: Design, Simulations and Testing. , 2021, , .		0
31	Possible Designs of Mobile Cryomagnets for Novel Microwave Technologies. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	0