

# Vladimir Bakunin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5469547/publications.pdf>

Version: 2024-02-01

15  
papers

126  
citations

1684188

5  
h-index

1281871

11  
g-index

15  
all docs

15  
docs citations

15  
times ranked

44  
citing authors

#	ARTICLE	IF	CITATIONS
1	Frequency and phase stabilization of a multimode gyrotron with megawatt power by an external signal. Technical Physics Letters, 2014, 40, 382-385.	0.7	24
2	Principal Enhancement of THz-Range Gyrotron Parameters Using Injection Locking. IEEE Electron Device Letters, 2020, 41, 777-780.	3.9	24
3	Mode Competition Effect on Frequency Locking of a Multimode Gyrotron by a Monochromatic External Signal. Radiophysics and Quantum Electronics, 2017, 59, 638-647.	0.5	21
4	An Experimental Study of the Influence of an External Signal on the Generation Mode of a Megawatt-Power Gyrotron. Technical Physics Letters, 2018, 44, 473-475.	0.7	13
5	An Experimental Study of the External-Signal Influence on the Oscillation Regime of a Megawatt Gyrotron. Radiophysics and Quantum Electronics, 2019, 62, 481-489.	0.5	10
6	Investigation of mode interaction for a gyrotron with dense mode spectrum. Journal of Electromagnetic Waves and Applications, 2021, 35, 19-26.	1.6	7
7	Locking of the Frequency of a Multimode Gyrotron by a Quasi-Monochromatic External Signal. Radiophysics and Quantum Electronics, 2019, 62, 490-505.	0.5	5
8	Dynamics of Multimode Processes at the Leading Edge of the Accelerating-Voltage Pulse in a Gyrotron Driven by an External Signal. Radiophysics and Quantum Electronics, 2020, 63, 381-391.	0.5	5
9	Phase Locking of a Gyrotron with Low-Frequency Voltage and Current Fluctuations by an External Monochromatic Signal. Radiophysics and Quantum Electronics, 2020, 63, 392-402.	0.5	5
10	Influence of an External Signal with Harmonic or Stepwise-Modulated Parameters on the High-Power Gyrotron Operation. Journal of Infrared, Millimeter, and Terahertz Waves, 2021, 42, 117-129.	2.2	4
11	Experimental Demonstration of Gyrotron Frequency Stabilization by Resonant Reflection. IEEE Electron Device Letters, 2021, 42, 1077-1080.	3.9	3
12	Dynamics of Multimode Gyrotron Locked by Quasi-Monochromatic External Signal. , 2019, , .		2
13	Experimental Study of Multi-Mode Dynamics of THz-Band Pulsed Magnetic Field Gyrotron. IEEE Electron Device Letters, 2020, 41, 1576-1579.	3.9	2
14	Automodulation instability in gyrotrons operating at the second cyclotron harmonic. Physics of Plasmas, 2021, 28, .	1.9	1
15	Gyrotron Spectrum Control by an External Quasi-Monochromatic Signal with Harmonic or Stepwise (Regular or Random) Modulation of Parameters. , 2021, , .		0