

# Mikhail Viktorov

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2040193/publications.pdf>

Version: 2024-02-01

35  
papers

228  
citations

1040056

9  
h-index

1058476

14  
g-index

35  
all docs

35  
docs citations

35  
times ranked

106  
citing authors

#	ARTICLE	IF	CITATIONS
1	Kinetic instabilities in a mirror-confined plasma sustained by high-power microwave radiation. <i>Physics of Plasmas</i> , 2017, 24, 032111.	1.9	32
2	Laboratory study of kinetic instabilities in a nonequilibrium mirror-confined plasma. <i>Europhysics Letters</i> , 2015, 109, 65002.	2.0	21
3	Interpretation of complex patterns observed in the electron-cyclotron instability of a mirror confined plasma produced by an ECR discharge. <i>Plasma Physics and Controlled Fusion</i> , 2012, 54, 085023.	2.1	20
4	On the Mechanism of Energetic Electron Losses from the Magnetic Mirror Trap at the ECR Discharge Startup. <i>Radiophysics and Quantum Electronics</i> , 2013, 56, 216-227.	0.5	16
5	Generation of Electromagnetic Bursts in the Plasma Cyclotron Maser. <i>Radiophysics and Quantum Electronics</i> , 2013, 56, 12-19.	0.5	11
6	Pulse-Periodic Regime of Kinetic Instability of the ECR Discharge Plasma Under the Conditions of Double Plasma Resonance. <i>Radiophysics and Quantum Electronics</i> , 2015, 57, 849-856.	0.5	11
7	Observation of quasi-periodic frequency sweeping in electron cyclotron emission of nonequilibrium mirror-confined plasma. <i>Europhysics Letters</i> , 2016, 116, 55001.	2.0	10
8	Dynamics of the gas discharge in noble gases sustained by the powerful radiation of 0.67 THz gyrotron. <i>Physics of Plasmas</i> , 2020, 27, .	1.9	10
9	Zebra-like patterns in whistler wave emission spectra from nonequilibrium mirror-confined laboratory plasma. <i>Physics of Plasmas</i> , 2020, 27, .	1.9	10
10	Monitoring of the Electron-Acceleration Region with Auroral Kilometric Radiation. <i>Geomagnetism and Aeronomy</i> , 2020, 60, 538-546.	0.8	9
11	An experimental setup for studying the interaction of dense supersonic plasma flows with an arched magnetic field. <i>Technical Physics Letters</i> , 2015, 41, 901-904.	0.7	8
12	Dynamic regimes of kinetic instabilities under conditions of double plasma resonance in mirror-confined plasma. <i>Planetary and Space Science</i> , 2018, 164, 158-163.	1.7	8
13	Interpretation of quasi-periodic frequency sweeping in electron cyclotron emission of nonequilibrium mirror-confined plasma sustained by high-power microwaves. <i>Plasma Physics and Controlled Fusion</i> , 2019, 61, 085020.	2.1	8
14	Observation of electron cyclotron harmonic emissions due to electrostatic instabilities in mirror-confined plasma. <i>Physical Review Research</i> , 2020, 2, .	3.6	7
15	Observation of plasma microwave emission during the injection of supersonic plasma flows into magnetic arch. <i>Plasma Physics and Controlled Fusion</i> , 2017, 59, 075001.	2.1	6
16	Development of fast-ion collective Thomson scattering diagnostics for the GDT experiment. <i>Journal of Instrumentation</i> , 2021, 16, P07007.	1.2	6
17	Gasdynamic electron cyclotron ion sources: Basic physics, applications, and diagnostic techniques. <i>Review of Scientific Instruments</i> , 2022, 93, 033502.	1.3	6
18	Non-equilibrium Atmospheric-Pressure Plasma Torch Sustained in a Quasi-optical Beam of Subterahertz Radiation. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2020, 41, 711-727.	2.2	5

#	ARTICLE	IF	CITATIONS
19	Excitation of electromagnetic waves in dense plasma during the injection of supersonic plasma flows into magnetic arch. AIP Conference Proceedings, 2016, , .	0.4	4
20	Possibilities of a laboratory experiment on investigation of auroral kilometeric radiation in the near-Earth plasma. Plasma Physics and Controlled Fusion, 2021, 63, 075014.	2.1	4
21	Monocrystalline InN Films Grown at High Rate by Organometallic Vapor Phase Epitaxy with Nitrogen Plasma Activation Supported by Gyrotron Radiation. Japanese Journal of Applied Physics, 2013, 52, 110201.	1.5	3
22	The dynamics of supersonic plasma flow interaction with the magnetic arch. Plasma Physics and Controlled Fusion, 2019, 61, 035001.	2.1	3
23	Growing InN films by plasma-assisted metalorganic vapor-phase epitaxy on Al <sub>2</sub> O <sub>3</sub> and YSZ substrates in plasma generated by gyrotron radiation under electron cyclotron resonance conditions. Technical Physics Letters, 2013, 39, 51-54.	0.7	2
24	Kinetic instabilities in a mirror-confined plasma sustained by high-power microwave radiation. AIP Conference Proceedings, 2016, , .	0.4	2
25	Method for determining plasma density in a magnetic field. Journal of Physics: Conference Series, 2019, 1400, 077022.	0.4	2
26	Indium Nitride Film Growth by Metal Organic Chemical Vapor Deposition with Nitrogen Activation in Electron Cyclotron Resonance Discharge Sustained by 24 GHz Gyrotron Radiation. Japanese Journal of Applied Physics, 2013, 52, 08JD07.	1.5	1
27	Method for Studying the Dynamics of Fast Frequency Sweeping Events in the Spectra of Non-Thermal Electromagnetic Plasma Emission. Radiophysics and Quantum Electronics, 2019, 62, 286-292.	0.5	1
28	Vacuum Arc Plasma Heated by Sub-Terahertz Radiation as a Source of Extreme Ultraviolet Light. IEEE Transactions on Plasma Science, 2019, 47, 828-831.	1.3	1
29	Interaction of plasma flow heated by gyrotron radiation with magnetic fields of an arched configuration. , 2020, , .		1
30	Generation of electromagnetic radiation under double plasma resonance condition in a mirror-confined plasma produced by ECR discharge. , 2015, , .		0
31	Pulse-Periodic Regimes of Kinetic Instabilities in the Non-Equilibrium Plasma of an Electron Cyclotron Resonance Discharge Maintained by Continuous-Wave Radiation of a 24 GHz Gyrotron. Radiophysics and Quantum Electronics, 2017, 59, 706-710.	0.5	0
32	Fast frequency sweeping events in the electron cyclotron emission of nonequilibrium plasma confined in a tabletop mirror trap. Journal of Physics: Conference Series, 2018, 1094, 012015.	0.4	0
33	Supersonic plasma flow injection across the magnetic arch in a table-top laboratory setup. Journal of Physics: Conference Series, 2019, 1400, 077034.	0.4	0
34	Peculiarities of the Discharge Formation in a Plasma Accelerator and Structure of a Jet Flowing into Vacuum. Technical Physics, 2021, 66, 325-332.	0.7	0
35	Continuous atmospheric pressure discharges in terahertz and sub-terahertz focused beams. , 2020, , .		0