

# Mikhail Viktorov

## List of Publications by Year in descending order

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35  
papers

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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	Gasdynamic electron cyclotron ion sources: Basic physics, applications, and diagnostic techniques. Review of Scientific Instruments, 2022, 93, 033502.	1.3	6
2	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
3	Possibilities of a laboratory experiment on investigation of auroral kilometric radiation in the near-Earth plasma. Plasma Physics and Controlled Fusion, 2021, 63, 075014.	2.1	4
4	Development of fast-ion collective Thomson scattering diagnostics for the GDT experiment. Journal of Instrumentation, 2021, 16, P07007.	1.2	6
5	Dynamics of the gas discharge in noble gases sustained by the powerful radiation of 0.67 THz gyrotron. Physics of Plasmas, 2020, 27, .	1.9	10
6	Non-equilibrium Atmospheric-Pressure Plasma Torch Sustained in a Quasi-optical Beam of Subterahertz Radiation. Journal of Infrared, Millimeter, and Terahertz Waves, 2020, 41, 711-727.	2.2	5
7	Zebra-like patterns in whistler wave emission spectra from nonequilibrium mirror-confined laboratory plasma. Physics of Plasmas, 2020, 27, .	1.9	10
8	Observation of electron cyclotron harmonic emissions due to electrostatic instabilities in mirror-confined plasma. Physical Review Research, 2020, 2, .	3.6	7
9	Monitoring of the Electron-Acceleration Region with Auroral Kilometric Radiation. Geomagnetism and Aeronomy, 2020, 60, 538-546.	0.8	9
10	Interaction of plasma flow heated by gyrotron radiation with magnetic fields of an arched configuration. , 2020, , .		1
11	Continuous atmospheric pressure discharges in terahertz and sub-terahertz focused beams. , 2020, , .		0
12	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
13	Interpretation of quasi-periodic frequency sweeping in electron cyclotron emission of nonequilibrium mirror-confined plasma sustained by high-power microwaves. Plasma Physics and Controlled Fusion, 2019, 61, 085020.	2.1	8
14	Method for determining plasma density in a magnetic field. Journal of Physics: Conference Series, 2019, 1400, 077022.	0.4	2
15	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
16	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
17	The dynamics of supersonic plasma flow interaction with the magnetic arch. Plasma Physics and Controlled Fusion, 2019, 61, 035001.	2.1	3
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Kinetic instabilities in a mirror-confined plasma sustained by high-power microwave radiation. <i>Physics of Plasmas</i> , 2017, 24, 032111.	1.9	32
22	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. <i>Radiophysics and Quantum Electronics</i> , 2017, 59, 706-710.	0.5	0
23	Excitation of electromagnetic waves in dense plasma during the injection of supersonic plasma flows into magnetic arch. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	4
24	Kinetic instabilities in a mirror-confined plasma sustained by high-power microwave radiation. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	2
25	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
26	Generation of electromagnetic radiation under double plasma resonance condition in a mirror-confined plasma produced by ECR discharge. , 2015, , .		0
27	Laboratory study of kinetic instabilities in a nonequilibrium mirror-confined plasma. <i>Europhysics Letters</i> , 2015, 109, 65002.	2.0	21
28	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
29	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
30	Generation of Electromagnetic Bursts in the Plasma Cyclotron Maser. <i>Radiophysics and Quantum Electronics</i> , 2013, 56, 12-19.	0.5	11
31	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
32	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. <i>Technical Physics Letters</i> , 2013, 39, 51-54.	0.7	2
33	Monocrystalline InN Films Grown at High Rate by Organometallic Vapor Phase Epitaxy with Nitrogen Plasma Activation Supported by Gyrotron Radiation. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 110201.	1.5	3
34	Indium Nitride Film Growth by Metal Organic Chemical Vapor Deposition with Nitrogen Activation in Electron Cyclotron Resonance Discharge Sustained by 24 GHz Gyrotron Radiation. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 08JD07.	1.5	1
35	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