

# Ekaterina A Sorokina

## List of Publications by Year in descending order

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32  
papers

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citations

1039880

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32  
all docs

32  
docs citations

32  
times ranked

162  
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-frequency zonal flow eigen-structures in tokamak plasmas. Nuclear Fusion, 2022, 62, 066002.	1.6	0
2	Effect of COVID-19 infection on characteristics of sperm in men with impaired fertility. Andrologia I Genital'naa Hirurgia, 2021, 22, 25-33.	0.1	3
3	Evaluation and comparative analysis of sperm characteristics in men before and after vaccination with Sputnik V (Gam-COVID-Vac). Andrologia I Genital'naa Hirurgia, 2021, 22, 45-53.	0.1	3
4	Drift Motion of Charged Particles in Inhomogeneous Magnetic and Strong Electric Fields. Plasma Physics Reports, 2020, 46, 724-731.	0.3	1
5	Anomalous Electron Transport in One-Dimensional Electron Cyclotron Drift Turbulence. Plasma Physics Reports, 2020, 46, 496-505.	0.3	13
6	Stability of Ion Flow and Role of Boundary Conditions in a Simplified Model of the E- $\times$ -B Plasma Accelerator with a Uniform Electron Mobility. Plasma Physics Reports, 2020, 46, 363-373.	0.3	3
7	Electron Motion in a Stationary Plasma Thruster. Plasma Physics Reports, 2019, 45, 941-951.	0.3	1
8	Large-scale azimuthal structures in Hall-type plasma discharges. Physics of Plasmas, 2019, 26, 090701.	0.7	4
9	Discharge Oscillations in Morozov's Stationary Plasma Thruster as a Manifestation of Large-Scale Modes of Gradient Drift Instability. Plasma Physics Reports, 2019, 45, 1-10.	0.3	7
10	Low-Frequency Continuous MHD Spectrum of Toroidally Rotating Tokamak Plasmas with Anisotropic Pressure. Plasma Physics Reports, 2019, 45, 179-194.	0.3	4
11	Equations of Plasma Equilibrium in a Magnetic Field with Three-Dimensional Magnetic Surfaces. Plasma Physics Reports, 2019, 45, 1093-1098.	0.3	0
12	Gradient-drift instability applied to Hall thrusters. Plasma Sources Science and Technology, 2019, 28, 015002.	1.3	15
13	Marginal stability, characteristic frequencies, and growth rates of gradient drift modes in partially magnetized plasmas with finite electron temperature. Physics of Plasmas, 2018, 25, .	0.7	11
14	Effects of finite electron temperature on gradient drift instabilities in partially magnetized plasmas. Physics of Plasmas, 2018, 25, .	0.7	23
15	Geodesic Acoustic Mode in an Elliptic Cylinder. Plasma Physics Reports, 2018, 44, 1076-1084.	0.3	0
16	Low-frequency magnetohydrodynamic spectra of plasmas with anisotropic pressure in axisymmetric toroidal systems. Physics of Plasmas, 2018, 25, 072111.	0.7	2
17	Geodesic acoustic modes in noncircular cross section tokamaks. Plasma Physics Reports, 2017, 43, 271-279.	0.3	5
18	On the Toroidal Surfaces of Revolution with Constant Mean Curvatures. Physics of Atomic Nuclei, 2017, 80, 1307-1312.	0.1	0

#	ARTICLE	IF	CITATIONS
19	Nonlinear excitation of long-wavelength modes in Hall plasmas. <i>Physics of Plasmas</i> , 2016, 23, .	0.7	9
20	MHD-model for low-frequency waves in a tokamak with toroidal plasma rotation and problem of existence of global geodesic acoustic modes. <i>Plasma Physics Reports</i> , 2015, 41, 975-982.	0.3	9
21	Analytical solutions for global geodesic acoustic modes in tokamak plasmas. <i>Plasma Physics Reports</i> , 2014, 40, 843-854.	0.3	13
22	Global geodesic acoustic mode in a tokamak with positive magnetic shear and a monotonic temperature profile. <i>Plasma Physics and Controlled Fusion</i> , 2014, 56, 035001.	0.9	18
23	Geodesic acoustic eigenmode for tokamak equilibrium with maximum of local GAM frequency. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014, 378, 535-538.	0.9	16
24	Islands and ergodicity of the plasma current in toroidal magnetic confinement systems. <i>Plasma Physics Reports</i> , 2014, 40, 424-436.	0.3	0
25	Passing particle toroidal precession induced by electric field in a tokamak. <i>Physics of Plasmas</i> , 2013, 20, 122502.	0.7	2
26	Third adiabatic invariant and the collisionless distribution function of particles in a tokamak. <i>JETP Letters</i> , 2012, 94, 684-688.	0.4	1
27	Radial electric field and rotation of the ensemble of plasma particles in tokamak. <i>Plasma Physics Reports</i> , 2012, 38, 279-289.	0.3	2
28	Geodesic acoustic modes and zonal flows in rotating large-aspect-ratio tokamak plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2011, 53, 065008.	0.9	15
29	Influence of the safety factor inhomogeneity on collisionless current generation in tokamaks. <i>Plasma Physics Reports</i> , 2011, 37, 19-27.	0.3	2
30	Collisionless current generation in the center of the tokamak plasma by an isotropic source of $\hat{1}\pm$ -particles. <i>Plasma Physics Reports</i> , 2010, 36, 1-14.	0.3	7
31	Photo-induced dynamics of Bose-Einstein condensates in optical superlattice. <i>Physica D: Nonlinear Phenomena</i> , 2009, 238, 1394-1401.	1.3	2
32	Global modes of flute instability of a rotating cylindrical plasma. <i>Plasma Physics Reports</i> , 2009, 35, 426-435.	0.3	5