

# Vladimir Mikhailenko

## List of Publications by Year in descending order

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26  
papers

117  
citations

1478505

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h-index

1372567

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g-index

28  
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28  
docs citations

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times ranked

52  
citing authors

#	ARTICLE	IF	CITATIONS
1	Anomalous convective transport of the tokamak edge plasma, caused by the inhomogeneous ion cyclotron parametric turbulence. <i>Physics of Plasmas</i> , 2022, 29, 072301.	1.9	1
2	Ion-acoustic turbulence in the skin layer of the inductively coupled plasma. <i>Physics of Plasmas</i> , 2021, 28, .	1.9	1
3	Ion cyclotron parametric turbulence and anomalous convective transport of the inhomogeneous plasma in front of the fast wave antenna. <i>Physics of Plasmas</i> , 2021, 28, .	1.9	4
4	The ion-acoustic instability of the inductively coupled plasma driven by the ponderomotive electron current formed in the skin layer. <i>Physics of Plasmas</i> , 2020, 27, .	1.9	2
5	The combined kinetic effects of the ion temperature gradient and the velocity shear of a plasma flow parallel to the magnetic field on the drift-Alfven instabilities. <i>Physics of Plasmas</i> , 2020, 27, 112103.	1.9	1
6	A Strong Instability in the Ion Cyclotron Frequency Range of the Upward Sheared Flow of the Oxygen Ions in Aurora. <i>Journal of the Korean Physical Society</i> , 2020, 77, 936-939.	0.7	0
7	The ion cyclotron parametric instabilities and the anomalous heating of ions in the tokamak edge plasma in the fast wave heating regime. <i>Physics of Plasmas</i> , 2020, 27, .	1.9	3
8	The electromagnetic ion cyclotron instabilities of a plasma with parallel sheared current. <i>Physics of Plasmas</i> , 2019, 26, .	1.9	2
9	The nonmodal kinetic theory for the electrostatic instabilities of a plasma with a sheared Hall current. <i>Physics of Plasmas</i> , 2019, 26, 112113.	1.9	1
10	The ion cyclotron turbulence generated by a low frequency kinetic Alfvén wave and turbulent heating of ions. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	2
11	Nonmodal modified Simon-Hoh instability of a plasma with a shearing Hall current. <i>Physics of Plasmas</i> , 2018, 25, 080702.	1.9	2
12	Drift-Alfven instabilities of a parallel shearing flow of the finite beta plasma with warm ions: The effect of the compressional magnetic field perturbations. <i>Physics of Plasmas</i> , 2017, 24, 092122.	1.9	2
13	The temporal evolution of the resistive pressure-gradient-driven turbulence and anomalous transport in shear flow across the magnetic field. <i>Physics of Plasmas</i> , 2017, 24, 092113.	1.9	0
14	The temporal evolution of the drift-cyclotron instability and anomalous ion heating in plasmas with transverse inhomogeneous electric field. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	3
15	Drift-Alfven instabilities of a finite beta plasma shear flow along a magnetic field. <i>Physics of Plasmas</i> , 2016, 23, 020701.	1.9	4
16	Non-modal theory of the kinetic ion temperature gradient driven instability of plasma shear flows across the magnetic field. <i>Physics of Plasmas</i> , 2016, 23, 062115.	1.9	7
17	Drift-Alfven turbulence of a parallel shearing flow of the finite beta plasma with warm ions. <i>Physics of Plasmas</i> , 2016, 23, 092301.	1.9	3
18	The inhomogeneous ion temperature anisotropy instabilities of magnetic-field-aligned plasma sheared flow. <i>Physics of Plasmas</i> , 2016, 23, 112122.	1.9	1

#	ARTICLE	IF	CITATIONS
19	The stabilizing effect of a conducting boundary on the diocotron instability of nonneutral electron flow. Journal of the Korean Physical Society, 2015, 66, 935-940.	0.7	5
20	Ion-temperature-gradient sensitivity of the hydrodynamic instability caused by shear in the magnetic-field-aligned plasma flow. Physics of Plasmas, 2014, 21, 072117.	1.9	9
21	Non-modal analysis of the diocotron instability for cylindrical geometry with conducting boundary. Physics of Plasmas, 2014, 21, .	1.9	13
22	Kinetic effects of $\langle i \rangle E \langle i \rangle \tilde{A} - \langle i \rangle B \langle i \rangle$ sheared flow on the hydrodynamic drift instabilities. Plasma Physics and Controlled Fusion, 2013, 55, 085018.	2.1	6
23	Two-dimensional simulation and modal analysis of hollow electron beams for controlled halo collimation. , 2013, , .		0
24	Renormalized non-modal theory of the kinetic drift instability of plasma shear flows. Physics of Plasmas, 2011, 18, 062103.	1.9	10
25	Shear-flow-driven ion cyclotron instabilities of magnetic field-aligned flow of inhomogeneous plasma. Physics of Plasmas, 2006, 13, 102105.	1.9	12
26	Temporal evolution of linear drift waves in a collisional plasma with homogeneous shear flow. Physics of Plasmas, 2000, 7, 94-100.	1.9	23