Vladimir Mikhailenko

List of Publications by Year
in descending order

26	117	1478505 6	1372567 10
papers	citations	h-index	g-index

28	28	28	52
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Temporal evolution of linear drift waves in a collisional plasma with homogeneous shear flow. Physics of Plasmas, 2000, 7, 94-100.	1.9	23
2	Non-modal analysis of the diocotron instability for cylindrical geometry with conducting boundary. Physics of Plasmas, 2014, 21, .	1.9	13
3	Shear-flow-driven ion cyclotron instabilities of magnetic field-aligned flow of inhomogeneous plasma. Physics of Plasmas, 2006, 13, 102105.	1.9	12
4	Renormalized non-modal theory of the kinetic drift instability of plasma shear flows. Physics of Plasmas, 2011, 18, 062103.	1.9	10
5	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
6	Non-modal theory of the kinetic ion temperature gradient driven instability of plasma shear flows across the magnetic field. Physics of Plasmas, 2016, 23, 062115.	1.9	7
7	Kinetic effects of E Ã— B sheared flow on the hydrodynamic drift instabilities. Plasma Physics and Controlled Fusion, 2013, 55, 085018.	2.1	6
8	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
9	Driftâ€“Alfven instabilities of a finite beta plasma shear flow along a magnetic field. Physics of Plasmas, 2016, 23, 020701.	1.9	4
10	Ion cyclotron parametric turbulence and anomalous convective transport of the inhomogeneous plasma in front of the fast wave antenna. Physics of Plasmas, 2021, 28, .	1.9	4
11	Driftâ€“Alfven turbulence of a parallel shearing flow of the finite beta plasma with warm ions. Physics of Plasmas, 2016, 23, 092301.	1.9	3
12	The temporal evolution of the drift-cyclotron instability and anomalous ion heating in plasmas with transverse inhomogeneous electric field. Physics of Plasmas, 2017, 24, .	1.9	3
13	The ion cyclotron parametric instabilities and the anomalous heating of ions in the tokamak edge plasma in the fast wave heating regime. Physics of Plasmas, 2020, 27, .	1.9	3
14	Driftâ€“Alfven instabilities of a parallel shearing flow of the finite beta plasma with warm ions: The effect of the compressional magnetic field perturbations. Physics of Plasmas, 2017, 24, 092122.	1.9	2
15	The ion cyclotron turbulence generated by a low frequency kinetic AlfvÃ©n wave and turbulent heating of ions. Physics of Plasmas, 2018, 25, .	1.9	2
16	Nonmodal modified Simon-Hoh instability of a plasma with a shearing Hall current. Physics of Plasmas, 2018, 25, 080702.	1.9	2
17	The electromagnetic ion cyclotron instabilities of a plasma with parallel sheared current. Physics of Plasmas, 2019, 26, .	1.9	2
18	The ion-acoustic instability of the inductively coupled plasma driven by the ponderomotive electron current formed in the skin layer. Physics of Plasmas, 2020, 27, .	1.9	2

#	Article	IF	Citations
19	The inhomogeneous ion temperature anisotropy instabilities of magnetic-field-aligned plasma sheared flow. Physics of Plasmas, 2016, 23, 112122.	1.9	1
20	The nonmodal kinetic theory for the electrostatic instabilities of a plasma with a sheared Hall current. Physics of Plasmas, 2019, 26, 112113.	1.9	1
21	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. Physics of Plasmas, 2020, 27, 112103.	1.9	1
22	Ion-acoustic turbulence in the skin layer of the inductively coupled plasma. Physics of Plasmas, 2021, 28, .	1.9	1
23	Anomalous convective transport of the tokamak edge plasma, caused by the inhomogeneous ion cyclotron parametric turbulence. Physics of Plasmas, 2022, 29, 072301.	1.9	1
24	Two-dimensional simulation and modal analysis of hollow electron beams for controlled halo collimation. , 2013, , .		0
25	The temporal evolution of the resistive pressure-gradient-driven turbulence and anomalous transport in shear flow across the magnetic field. Physics of Plasmas, 2017, 24, 092113.	1.9	0
26	A Strong Instability in the Ion Cyclotron Frequency Range of the Upward Sheared Flow of the Oxygen Ions in Aurora. Journal of the Korean Physical Society, 2020, 77, 936-939.	0.7	0