Alexandr Kryshtal

List of Publications by Year
in descending order

22	136	1307594 7	1372567 10
papers	citations	h-index	g-index

22	22	22	35
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	â€œObliqueâ€•Bernstein modes in solar preflare plasma: Generation of second harmonics. Advances in Space Research, 2012, 49, 791-796.	2.6	14
2	Incompressible magnetohydrodynamic modes in the thin magnetically twisted flux tube. Astronomy and Astrophysics, 2017, 604, A62.	5.1	12
3	Bernstein-wave instability in a collisional plasma with a quasistatic electric field. Journal of Plasma Physics, 1998, 60, 469-484.	2.1	11
4	On the Stabilization of a Twisted Magnetic Flux Tube. Astrophysical Journal, 2020, 901, 99.	4.5	10
5	Low-frequency wave instabilities in a plasma with a quasistatic electric field and weak spatial inhomogeneity. Journal of Plasma Physics, 2002, 68, 137-148.	2.1	9
6	Oblique Bernstein Mode Generation Near the Upper-hybrid Frequency in Solar Pre-flare Plasmas. Solar Physics, 2015, 290, 3331-3341.	2.5	9
7	Slow magnetoacoustic-like waves in post-flare loops. Astronomy and Astrophysics, 2004, 420, 1107-1115.	5.1	9
8	A possible excitation mechanism for a longitudinal wave instability in a plasma by a quasi-static electric field. Journal of Plasma Physics, 1995, 53, 169-184.	2.1	7
9	One type of three-wave interaction of low-frequency waves in magnetoactive plasma of the solar atmosphere. Kinematics and Physics of Celestial Bodies, 2014, 30, 147-154.	0.6	7
10	Low-frequency wave instabilities in magnetoactive plasma with spatial inhomogeneity of temperature. Journal of Plasma Physics, 2005, 71, 729.	2.1	6
11	The ion-acoustic instability in the pre-flare plasma near the loop footpoints at solar active regions. Annales Geophysicae, 2013, 31, 2193-2200.	1.6	6
12	Small-scale Langmuir wave instability in preflare chromosphere of solar active region. Astrophysics and Space Science, 2014, 349, 637-646.	1.4	6
13	Ion-acoustic instability caused by large-scale electric field in solar active regions. Solar Physics, 1996, 165, 139-153.	2.5	5
14	Kinetic AlfvÃ©n waves in preflare plasma. Astronomische Nachrichten, 2005, 326, 52-60.	1.2	5
15	Effect of small-scale bernstein turbulence on low-frequency plasma waves in the preflare solar chromosphere. Kinematics and Physics of Celestial Bodies, 2017, 33, 149-165.	0.6	5
16	Kink mode m= 1 in magnetic tube with discontinuous magnetic field. Advances in Space Research, 2018, 61, 603-610.	2.6	5
17	Generation of Low-Frequency Kinetic Waves at the Footpoints of Pre-Flare Coronal Loops. Solar Physics, 2020, 295, 1.	2.5	3
18	On the equilibrium figures of an ideal rotating fluid in the post-newtonian approximation of general relativity. Astrophysics and Space Science, 1975, 33, 75-97.	1.4	2

#	Article	IF	Citations
19	On the possibility of the development of longitudinal wave instabilities on the background of the small-scale Bernstein turbulence in preflare chromosphere of a solar active region. Kinematics and Physics of Celestial Bodies, 2014, 30, 234-243.	0.6	2
20	Low-Frequency Kinetic Waves in Plasmas of Magnetic Loops at the Early Stage of a Flare Process in an Active Region. Kinematics and Physics of Celestial Bodies, 2019, 35, 105-123.	0.6	2
21	Kink mode m = 1 in a thin plasma filament with discontinuous vertical magnetic field. Kinematics and Physics of Celestial Bodies, 2017, 33, 95-110.	0.6	1
22	Modelling of rotating neutron stars using exact solutions of Einstein's equations. Acta Astronautica, 1981, 8, 831-838.	3.2	0