Ling Chen

List of Publications by Year
in descending order

29	334	840776 11	839539 18
papers	citations	h-index	g-index

29	29	29	202
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	KINETIC ALFVÃ‰N WAVE INSTABILITY DRIVEN BY FIELD-ALIGNED CURRENTS IN SOLAR CORONAL LOOPS. Astrophysical Journal, 2012, 754, 123.	4.5	43
2	Kinetic AlfvÃ©n wave instability driven by fieldâ€aligned currents in a lowâ€Î² plasma. Journal of Geophysical Research: Space Physics, 2013, 118, 2951-2957.	2.4	27
3	Kinetic AlfvÃ©n wave instability driven by electron temperature anisotropy in high-Î² plasmas. Physics of Plasmas, 2010, 17, .	1.9	26
4	EXCITATION OF KINETIC ALFVÃ‰N WAVES BY FAST ELECTRON BEAMS. Astrophysical Journal, 2014, 793, 13.	4.5	25
5	EXCITATION OF KINETIC ALFVÃ‰N WAVES BY DENSITY STRIATION IN MAGNETO-PLASMAS. Astrophysical Journal, 2013, 771, 3.	4.5	24
6	Kinetic AlfvÃ©n wave instability driven by a field-aligned current in high-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î²</mml:mi></mml:math>plasmas. Physical Review E, 2011, 84, 046406.	2.1	18
7	EFFECTS OF ALFVÃ‰N WAVES ON ELECTRON CYCLOTRON MASER EMISSION IN CORONAL LOOPS AND SOLAR TYPE I RADIO STORMS. Astrophysical Journal, 2013, 770, 75.	4.5	16
8	A novel mechanism for electron-cyclotron maser. Astronomy and Astrophysics, 2014, 566, A138.	5.1	16
9	A possible mechanism for the formation of filamentous structures in magnetoplasmas by kinetic AlfvÃ©n waves. Journal of Geophysical Research: Space Physics, 2015, 120, 61-69.	2.4	14
10	A selfâ€consistent mechanism for electron cyclotron maser emission and its application to type III solar radio bursts. Journal of Geophysical Research: Space Physics, 2017, 122, 35-49.	2.4	14
11	Effect of Alpha Beams on Low-frequency Electromagnetic Waves Driven by Proton Beams. Astrophysical Journal, 2018, 869, 64.	4.5	13
12	An Interplanetary Type IIIb Radio Burst Observed by Parker Solar Probe and Its Emission Mechanism. Astrophysical Journal Letters, 2021, 915, L22.	8.3	13
13	SOLAR TYPE III RADIO BURSTS MODULATED BY HOMOCHROMOUS ALFVÃ‰N WAVES. Astrophysical Journal, 2013, 779, 31.	4.5	11
14	Excitation of Ion Cyclotron Waves by Ion and Electron Beams in Compensated-current System. Astrophysical Journal, 2018, 857, 108.	4.5	11
15	Anomalous resistivity in beam-return currents and hard-X ray spectra of solar flares. Astronomy and Astrophysics, 2013, 550, A63.	5.1	10
16	A MODEL FOR RADIO EMISSION FROM SOLAR CORONAL SHOCKS. Astrophysical Journal, 2014, 786, 47.	4.5	10
17	CYCLOTRON MASER EMISSION FROM POWER-LAW ELECTRONS WITH STRONG PITCH-ANGLE ANISOTROPY. Astrophysical Journal, 2016, 822, 58.	4.5	10
18	Statistics of Low Frequency Cutoffs for Type III Radio Bursts Observed by Parker Solar Probe during Its Encounters 1â€“5. Astrophysical Journal Letters, 2021, 913, L1.	8.3	8

#	Article	IF	Citations
19	Resonant Mode Conversion of AlfvÃ©n Waves to Kinetic AlfvÃ©n Waves in an Inhomogeneous Plasma. Astrophysical Journal, 2019, 881, 61.	4.5	7
20	ELECTRON CYCLOTRON MASER EMISSIONS FROM EVOLVING FAST ELECTRON BEAMS. Astrophysical Journal, 2016, 823, 8.	4.5	5
21	Parametric Evolution of Power-law Energy Spectra of Flare Accelerated Electrons in the Solar Atmosphere. Astrophysical Journal, 2020, 904, 1.	4.5	5
22	Chaos-induced resistivity of collisionless magnetic reconnection in the presence of a guide field. Research in Astronomy and Astrophysics, 2017, 17, 3.	1.7	2
23	Discrepancy between the Low-frequency Cutoffs of Type III Radio Bursts Based on Simultaneous Observations by WIND and PSP. Astrophysical Journal Letters, 2022, 932, L26.	8.3	2
24	Chaos-induced resistivity in different magnetic configurations. Research in Astronomy and Astrophysics, 2021, 21, 071.	1.7	1
25	Chaos-induced resistivity in collisionless reconnection region with magnetic island-chain structure. Physics of Plasmas, 2021, 28, .	1.9	1
26	Effects of displacement current on wave dispersion relation and polarization properties in auroral plasmas. Research in Astronomy and Astrophysics, 2021, 21, 252.	1.7	1
27	Plasma Emission versus Electron Cyclotron Maser Emission due to Power-law Energetic Electrons in Differently Magnetized Coronal Plasmas. Astrophysical Journal, 2022, 928, 115.	4.5	1
28	KAWs in Extrasolar Astrophysical Plasmas. Atmosphere, Earth, Ocean & Space, 2020, , 299-346.	0.5	0
29	KAWs in Solar Atmosphere Heating. Atmosphere, Earth, Ocean & Space, 2020, , 221-298.	0.5	0