

Lin-Ni Hau

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7182268/publications.pdf>

Version: 2024-02-01

46
papers

1,030
citations

471509

17
h-index

414414

32
g-index

46
all docs

46
docs citations

46
times ranked

737
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence of Magnetic Reconnection with Multiple X Lines and Flux Ropes in Thin Magnetotail Currents Observed by the MMS Spacecraft: Results of Graduated Shafranov Reconstruction. <i>Astrophysical Journal</i> , 2022, 928, 133.	4.5	0
2	Do There Exist Energy Closures to the Observed Mirror Waves?. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095483.	4.0	2
3	Electrostatic and electromagnetic waves driven by current free electron beam instability: Effects of positron, background composition, and ion-to-electron mass ratio. <i>AIP Advances</i> , 2020, 10, 075112.	1.3	0
4	Parallel firehose instability in electron-positron plasmas. <i>Physical Review E</i> , 2020, 101, 043205.	2.1	3
5	Mirror-wave Structures in the Solar Wind: Graduated Shafranov Reconstruction, MHD, and Hall MHD Simulations with Double-polytropic Energy Closures. <i>Astrophysical Journal</i> , 2020, 900, 97.	4.5	6
6	Mirror Mode Waves Immersed in Magnetic Reconnection. <i>Astrophysical Journal Letters</i> , 2020, 903, L12.	8.3	5
7	Plasma β^2 Dependence of Density, Temperatures, and Magnetic-field Correlations of Mirror Structures: Observation and Theory. <i>Astrophysical Journal</i> , 2020, 894, 113.	4.5	2
8	Electrostatic solitons and Alfvén waves generated by streaming instability in electron-positron plasmas. <i>Physical Review E</i> , 2018, 98, 013203.	2.1	5
9	Graduated Shafranov Reconstruction of Earth's Magnetopause With Temperature Anisotropy. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 7358-7369.	2.4	7
10	Slow shock and rotational discontinuity in MHD and Hall MHD models with anisotropic pressure. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 6245-6261.	2.4	7
11	Fluid theory and kinetic simulation of two-dimensional electrostatic streaming instabilities in electron-ion plasmas. <i>Physics of Plasmas</i> , 2016, 23, .	1.9	7
12	Two-dimensional electrostatic solitary structures in electron-positron plasmas. <i>New Journal of Physics</i> , 2015, 17, 053047.	2.9	9
13	Fluid aspects of electron streaming instability in electron-ion plasmas. <i>Physics of Plasmas</i> , 2014, 21, 022103.	1.9	7
14	Electrostatic solitary waves and hole structures generated by bump-on-tail instability in electron-positron plasmas. <i>Physical Review E</i> , 2014, 89, 053104.	2.1	10
15	Effects of Hall current and electron temperature anisotropy on proton fire-hose instabilities. <i>Physics of Plasmas</i> , 2013, 20, .	1.9	6
16	General formulation for magnetohydrodynamic wave propagation, fire-hose, and mirror instabilities in Harris-type current sheets. <i>Physics of Plasmas</i> , 2013, 20, .	1.9	2
17	Formation of electrostatic solitons and hole structures in pair plasmas. <i>Physical Review E</i> , 2012, 86, 056401.	2.1	14
18	A statistical study of magnetopause structures: Tangential versus rotational discontinuities. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	22

#	ARTICLE	IF	CITATIONS
19	Profile of strong magnetic field B_y component in magnetotail current sheets. Journal of Geophysical Research, 2012, 117, .	3.3	33
20	Magnetic reconnection in an anisotropic plasma: Observation and theory. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	7
21	Structure, force balance, and evolution of incompressible cross-tail current sheet thinning. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	21
22	General formulation for acoustic solitons in three-component nonthermal plasmas. Physics of Plasmas, 2011, 18, .	1.9	9
23	Parallel proton fire hose instability in gyrotropic Hall MHD model. Journal of Geophysical Research, 2010, 115, .	3.3	11
24	Spatial profile of magnetic field in the near-Earth plasma sheet prior to dipolarization by THEMIS: Feature of minimum B. Geophysical Research Letters, 2010, 37, .	4.0	42
25	Response to "Comment on "Mathematical and physical aspects of Kappa velocity distribution" [Phys. Plasmas 16, 094701 (2009)]. Physics of Plasmas, 2009, 16, 094702.	1.9	17
26	The characteristics of ion acoustic solitons in non-Maxwellian plasmas. Physics of Plasmas, 2009, 16, 022901.	1.9	52
27	Characteristics of magnetohydrodynamic waves in Harris-type current sheet with guide magnetic field B_y . Journal of Geophysical Research, 2008, 113, .	3.3	7
28	NON-MAXWELLIAN VELOCITY DISTRIBUTION: A CHARACTERISTIC OF SPACE PLASMA. , 2008, , .		0
29	Grad-Shafranov reconstruction with field-aligned flow: First results. Geophysical Research Letters, 2007, 34, .	4.0	22
30	Triple crossings of a string of magnetic islands at duskside magnetopause encountered by AMPTE/IRM satellite on 8 August 1985. Journal of Geophysical Research, 2007, 112, .	3.3	15
31	On MHD waves, fire-hose and mirror instabilities in anisotropic plasmas. Nonlinear Processes in Geophysics, 2007, 14, 557-568.	1.3	25
32	Mathematical and physical aspects of Kappa velocity distribution. Physics of Plasmas, 2007, 14, .	1.9	77
33	Grad-Shafranov reconstruction: An overview. Journal of Geophysical Research, 2006, 111, .	3.3	95
34	Slow mode waves and mirror instability in gyrotropic Hall magnetohydrodynamic model. Physics of Plasmas, 2005, 12, 122904.	1.9	17
35	Vlasov "Maxwell equilibrium solutions for Harris sheet magnetic field with Kappa velocity distribution. Physics of Plasmas, 2005, 12, 070701.	1.9	39
36	Formation of anomalous slow shocks in anisotropic plasmas. Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	8

#	ARTICLE	IF	CITATIONS
37	Explosive and oscillatory tearing-mode instability in gyrotropic plasmas. <i>Physics of Plasmas</i> , 2003, 10, 3813-3816.	1.9	7
38	A note on the energy laws in gyrotropic plasmas. <i>Physics of Plasmas</i> , 2002, 9, 2455-2457.	1.9	22
39	Tearing-mode instability in anisotropic plasmas: Effects of energy closure. <i>Geophysical Research Letters</i> , 2002, 29, 62-1-62-4.	4.0	8
40	On the linear and nonlinear resistive tearing-mode instabilities. <i>Journal of Geophysical Research</i> , 2001, 106, 8371-8380.	3.3	13
41	Two-dimensional coherent structures in the magnetopause: Recovery of static equilibria from single-spacecraft data. <i>Journal of Geophysical Research</i> , 1999, 104, 6899-6917.	3.3	205
42	Two-fluid model of magnetosonic solitons and shocks. <i>Geophysical Research Letters</i> , 1998, 25, 2633-2636.	4.0	2
43	Penetration of the interplanetary magnetic field by into Earth's plasma sheet. <i>Journal of Geophysical Research</i> , 1995, 100, 21745-21751.	3.3	25
44	Self-consistent gyroviscous fluid model of rotational discontinuities. <i>Journal of Geophysical Research</i> , 1991, 96, 15767-15778.	3.3	33
45	The structure of resistive dispersive intermediate shocks. <i>Journal of Geophysical Research</i> , 1990, 95, 18791-18808.	3.3	35
46	On the structure of resistive MHD intermediate shocks. <i>Journal of Geophysical Research</i> , 1989, 94, 6539-6551.	3.3	69