

Lin-Ni Hau

List of Publications by Year in descending order

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46
papers

1,030
citations

471509

17
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414414

32
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46
all docs

46
docs citations

46
times ranked

737
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Grad-Shafranov reconstruction: An overview. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	95
3	Mathematical and physical aspects of Kappa velocity distribution. <i>Physics of Plasmas</i> , 2007, 14, .	1.9	77
4	On the structure of resistive MHD intermediate shocks. <i>Journal of Geophysical Research</i> , 1989, 94, 6539-6551.	3.3	69
5	The characteristics of ion acoustic solitons in non-Maxwellian plasmas. <i>Physics of Plasmas</i> , 2009, 16, 022901.	1.9	52
6	Spatial profile of magnetic field in the near-Earth plasma sheet prior to dipolarization by THEMIS: Feature of minimum B. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	42
7	Vlasov-Maxwell equilibrium solutions for Harris sheet magnetic field with Kappa velocity distribution. <i>Physics of Plasmas</i> , 2005, 12, 070701.	1.9	39
8	The structure of resistive dispersive intermediate shocks. <i>Journal of Geophysical Research</i> , 1990, 95, 18791-18808.	3.3	35
9	Self-consistent gyroviscous fluid model of rotational discontinuities. <i>Journal of Geophysical Research</i> , 1991, 96, 15767-15778.	3.3	33
10	Profile of strong magnetic field B_y component in magnetotail current sheets. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	33
11	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
12	On MHD waves, fire-hose and mirror instabilities in anisotropic plasmas. <i>Nonlinear Processes in Geophysics</i> , 2007, 14, 557-568.	1.3	25
13	A note on the energy laws in gyrotropic plasmas. <i>Physics of Plasmas</i> , 2002, 9, 2455-2457.	1.9	22
14	Grad-Shafranov reconstruction with field-aligned flow: First results. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	22
15	A statistical study of magnetopause structures: Tangential versus rotational discontinuities. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	22
16	Structure, force balance, and evolution of incompressible cross-tail current sheet thinning. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	21
17	Slow mode waves and mirror instability in gyrotropic Hall magnetohydrodynamic model. <i>Physics of Plasmas</i> , 2005, 12, 122904.	1.9	17
18	Response to "Comment on "Mathematical and physical aspects of Kappa velocity distribution" [Phys. Plasmas 16, 094701 (2009)]. <i>Physics of Plasmas</i> , 2009, 16, 094702.	1.9	17

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19	Triple crossings of a string of magnetic islands at duskside magnetopause encountered by AMPTE/IRM satellite on 8 August 1985. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	15
20	Formation of electrostatic solitons and hole structures in pair plasmas. <i>Physical Review E</i> , 2012, 86, 056401.	2.1	14
21	On the linear and nonlinear resistive tearing-mode instabilities. <i>Journal of Geophysical Research</i> , 2001, 106, 8371-8380.	3.3	13
22	Parallel proton fire hose instability in gyrotropic Hall MHD model. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	11
23	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
24	General formulation for acoustic solitons in three-component nonthermal plasmas. <i>Physics of Plasmas</i> , 2011, 18, .	1.9	9
25	Two-dimensional electrostatic solitary structures in electron-positron plasmas. <i>New Journal of Physics</i> , 2015, 17, 053047.	2.9	9
26	Tearing-mode instability in anisotropic plasmas: Effects of energy closure. <i>Geophysical Research Letters</i> , 2002, 29, 62-1-62-4.	4.0	8
27	Formation of anomalous slow shocks in anisotropic plasmas. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	4.0	8
28	Explosive and oscillatory tearing-mode instability in gyrotropic plasmas. <i>Physics of Plasmas</i> , 2003, 10, 3813-3816.	1.9	7
29	Characteristics of magnetohydrodynamic waves in Harris-type current sheet with guide magnetic field $\langle i \rangle B_{\langle i \rangle} \langle y \rangle \langle i \rangle \langle /sub \rangle$. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	7
30	Magnetic reconnection in an anisotropic plasma: Observation and theory. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	7
31	Fluid aspects of electron streaming instability in electron-ion plasmas. <i>Physics of Plasmas</i> , 2014, 21, 022103.	1.9	7
32	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
33	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
34	Grad-Shafranov Reconstruction of Earth's Magnetopause With Temperature Anisotropy. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 7358-7369.	2.4	7
35	Effects of Hall current and electron temperature anisotropy on proton fire-hose instabilities. <i>Physics of Plasmas</i> , 2013, 20, .	1.9	6
36	Mirror-wave Structures in the Solar Wind: Grad-Shafranov Reconstruction, MHD, and Hall MHD Simulations with Double-polytropic Energy Closures. <i>Astrophysical Journal</i> , 2020, 900, 97.	4.5	6

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37	Electrostatic solitons and Alfvén waves generated by streaming instability in electron-positron plasmas. <i>Physical Review E</i> , 2018, 98, 013203.	2.1	5
38	Mirror Mode Waves Immersed in Magnetic Reconnection. <i>Astrophysical Journal Letters</i> , 2020, 903, L12.	8.3	5
39	Parallel firehose instability in electron-positron plasmas. <i>Physical Review E</i> , 2020, 101, 043205.	2.1	3
40	Two-fluid model of magnetosonic solitons and shocks. <i>Geophysical Research Letters</i> , 1998, 25, 2633-2636.	4.0	2
41	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
42	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
43	Do There Exist Energy Closures to the Observed Mirror Waves?. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095483.	4.0	2
44	NON-MAXWELLIAN VELOCITY DISTRIBUTION: A CHARACTERISTIC OF SPACE PLASMA. , 2008, , .		0
45	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
46	Evidence of Magnetic Reconnection with Multiple X Lines and Flux Ropes in Thin Magnetotail Currents Observed by the MMS Spacecraft: Results of Grad-Shafranov Reconstruction. <i>Astrophysical Journal</i> , 2022, 928, 133.	4.5	0