

Lou-Chuang Lee

List of Publications by Year in descending order

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240
papers

9,220
citations

38660

50
h-index

53109

85
g-index

242
all docs

242
docs citations

242
times ranked

3592
citing authors

#	ARTICLE	IF	CITATIONS
1	An Automatic System for Continuous Monitoring and Sampling of Groundwater Geochemistry in Earthquake-Prone Regions of SW Taiwan. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	5
2	Observations of Magnetic Reconnection with Large Separatrix Angles and Separatrix Jets above the Solar Surface. <i>Astrophysical Journal</i> , 2021, 915, 17.	1.6	5
3	Multifluid MHD Studies of the Ionospheric Magnetic Flux Ropes at Mars. <i>Astrophysical Journal</i> , 2021, 915, 6.	1.6	4
4	Linear and Nonlinear Effects of Proton Temperature Anisotropy on Proton-beam Instability in the Solar Wind. <i>Astrophysical Journal</i> , 2021, 916, 30.	1.6	7
5	On the Causes of the Slow Solar Wind: 1. The Solar Unipolar Induction Currents. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029358.	0.8	3
6	Effect of solar wind density and velocity on the subsolar standoff distance of the Martian magnetic pileup boundary. <i>Astronomy and Astrophysics</i> , 2021, 651, A22.	2.1	9
7	Resolving Elve, Halo and Sprite Halo Images at 10,000 Fps in the Taiwan 2020 Campaign. <i>Atmosphere</i> , 2021, 12, 1000.	1.0	4
8	Electromagnetic Proton Beam Instabilities in the Inner Heliosphere: Energy Transfer Rate, Radial Distribution, and Effective Excitation. <i>Astrophysical Journal</i> , 2021, 920, 158.	1.6	7
9	Shock Properties and Associated Characteristics of Solar Energetic Particles in the 2017 September 10 Ground-level Enhancement Event. <i>Astrophysical Journal</i> , 2021, 921, 26.	1.6	7
10	Experimental Validation of N ₂ Emission Ratios in Altitude Profiles of Observed Sprites. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	2
11	Earth's Outgoing Longwave Radiation Variability Prior to M _w 6.0 Earthquakes in the Taiwan Area During 2009–2019. <i>Frontiers in Earth Science</i> , 2020, 8, .	0.8	27
12	Fluid and kinetic aspects of magnetic reconnection and some related magnetospheric phenomena. <i>Reviews of Modern Plasma Physics</i> , 2020, 4, 1.	2.2	10
13	Multiple X-line Reconnection Observed in Mercury's Magnetotail Driven by an Interplanetary Coronal Mass Ejection. <i>Astrophysical Journal Letters</i> , 2020, 893, L11.	3.0	13
14	Formation of Macroscale Flux Transfer Events at Mercury. <i>Astrophysical Journal Letters</i> , 2020, 893, L18.	3.0	15
15	Energy Flow in the Region 2 Field-Aligned Current Region Under Quasi-steady Convection. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA026998.	0.8	1
16	Plasma and magnetic-field structures near the Martian induced magnetosphere boundary. <i>Astronomy and Astrophysics</i> , 2020, 642, A34.	2.1	19
17	Effects of Electron Temperature Anisotropy on Proton-beam Instability in the Solar Wind. <i>Astrophysical Journal</i> , 2020, 899, 61.	1.6	5
18	Turbulence Spectra of Electron Density and Magnetic Field Fluctuations in the Local Interstellar Medium. <i>Astrophysical Journal</i> , 2020, 904, 66.	1.6	12

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19	A 3D Parametric Martian Bow Shock Model with the Effects of Mach Number, Dynamic Pressure, and the Interplanetary Magnetic Field. <i>Astrophysical Journal</i> , 2020, 903, 125.	1.6	18
20	On the WalÅ©n Relation for AlfvÅ©nic Fluctuations in Interplanetary Space. <i>Astrophysical Journal</i> , 2020, 904, 195.	1.6	3
21	A New Mechanism for the Field Line Twisting in the Ionospheric Magnetic Flux Rope. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 3266-3275.	0.8	4
22	Ionospheric Peaked Structures and Their Local Time, Seasonal, and Solar Activity Dependence Based on Global Ionosphere Maps. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 7994-8014.	0.8	11
23	Gamma Ray and Radon Anomalies in Northern Taiwan as a Possible Preearthquake Indicator around the Plate Boundary. <i>Geofluids</i> , 2019, 2019, 1-14.	0.3	9
24	On the explosive nature of auroral substorms and solar flares: The electric current approach. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2019, 186, 104-115.	0.6	6
25	Examination of the EUV Intensity in the Open Magnetic Field Regions Associated with Coronal Holes. <i>Astrophysical Journal</i> , 2019, 874, 45.	1.6	5
26	The Boltzmann Vibrational Temperature of N₂ (B³Î_g) Derived From ISUAL Imager Multiband Measurements of Transient Luminous Events. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 10760-10777.	0.8	2
27	Interstellar turbulence spectrum from in situ observations of Voyager 1. <i>Nature Astronomy</i> , 2019, 3, 154-159.	4.2	26
28	Acceleration of ions and neutrals by a traveling electrostatic wave. <i>Physics of Plasmas</i> , 2018, 25, 023113.	0.7	1
29	Studying solar-cycle variation of open magnetic flux regions using coronal holes. <i>Proceedings of the International Astronomical Union</i> , 2018, 13, 63-64.	0.0	0
30	Ionospheric density and velocity anomalies before Mâ€6.5 earthquakes observed by DEMETER satellite. <i>Journal of Asian Earth Sciences</i> , 2018, 166, 210-222.	1.0	10
31	Ionospheric Tidal Waves Observed From Global Ionosphere Maps: Analysis of Total Electron Content. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 6776-6797.	0.8	5
32	The leading role of atomic oxygen in the collocation of elves and hydroxyl nightglow in the lowâ€latitude mesosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 5550-5567.	0.8	7
33	Reply to comment by B. E. Prokhorov and O. V. Zolotov on â€An improved coupling model for the lithosphereâ€atmosphereâ€ionosphere systemâ€. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 4869-4874.	0.8	6
34	Coherency and ellipticity of electromagnetic ion cyclotron waves: Satellite observations and simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 3374-3396.	0.8	10
35	Spatial and temporal anomalies of soil gas in northern Taiwan and its tectonic and seismic implications. <i>Journal of Asian Earth Sciences</i> , 2017, 149, 64-77.	1.0	44
36	Solar Open Flux Migration from Pole to Pole: Magnetic Field Reversal. <i>Scientific Reports</i> , 2017, 7, 9488.	1.6	7

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37	Radial Variations of Outward and Inward Alfvénic Fluctuations Based on Ulysses Observations. <i>Astrophysical Journal</i> , 2017, 850, 177.	1.6	1
38	Preseismic anomalies in soil-gas radon associated with 2016 M 6.6 Meinong earthquake, Southern Taiwan. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2017, 28, 787-798.	0.3	28
39	OBSERVATIONAL EVIDENCE FOR THE RELATIONSHIP BETWEEN WAVE SLOPE AND AMPLITUDE RATIO OF INWARD TO OUTWARD ALFVÉN WAVES IN THE SOLAR WIND. <i>Astrophysical Journal</i> , 2016, 817, 178.	1.6	19
40	Polarization of obliquely propagating whistler mode waves based on linear dispersion theory. <i>Physics of Plasmas</i> , 2016, 23, .	0.7	6
41	Heliospheric plasma sheet (HPS) impingement onto the magnetosphere as a cause of relativistic electron dropouts (REDs) via coherent EMIC wave scattering with possible consequences for climate change mechanisms. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 10,130.	0.8	59
42	Generation of He ⁺ and O ⁺ EMIC waves by the bunch distribution of O ⁺ ions associated with fast magnetosonic shocks in the magnetosphere. <i>Geophysical Research Letters</i> , 2016, 43, 9406-9414.	1.5	9
43	Ionospheric plasma dynamics and instability caused by upward currents above thunderstorms. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 3240-3253.	0.8	15
44	Formation of discontinuities and expansion waves in the outflow region of magnetic reconnection in an asymmetric current sheet. <i>Physics of Plasmas</i> , 2015, 22, 102901.	0.7	0
45	Temporal variation of gamma rays as a possible precursor of earthquake in the Longitudinal Valley of eastern Taiwan. <i>Journal of Asian Earth Sciences</i> , 2015, 114, 362-372.	1.0	24
46	Evaluating the March 27, 2013 M 6.2 Earthquake Hypocenter Using Momentary High-Conductivity Materials. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2015, 26, 1.	0.3	6
47	Preseismic TEC Changes for Tohoku-Oki Earthquake: Comparisons Between Simulations and Observations. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2015, 26, 63.	0.3	8
48	Highly structured electron anisotropy in collisionless reconnection exhausts. <i>Geophysical Research Letters</i> , 2014, 41, 5389-5395.	1.5	33
49	WAVE TEST AND DE HOFFMANN-TELLER FRAME OF INTERPLANETARY LARGE-AMPLITUDE ALFVÉN WAVES. <i>Astrophysical Journal</i> , 2014, 786, 149.	1.6	13
50	An improved coupling model for the lithosphere-atmosphere-ionosphere system. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 3189-3205.	0.8	143
51	Compound Effect of Alfvén Waves and Ion-Cyclotron Waves on Heating/Acceleration of Minor Ions via the Pickup Process. <i>Solar Physics</i> , 2014, 289, 3895-3916.	1.0	6
52	COMPARISON OF TWO-FLUID AND GYROKINETIC MODELS FOR KINETIC ALFVÉN WAVES IN SOLAR AND SPACE PLASMAS. <i>Astrophysical Journal</i> , 2014, 792, 36.	1.6	7
53	Electron acceleration by Z-mode and whistler-mode waves. <i>Physics of Plasmas</i> , 2013, 20, 112901.	0.7	4
54	Effects of ion-neutral collisions on Alfvén waves: The presence of forbidden zone and heavy damping zone. <i>Physics of Plasmas</i> , 2013, 20, 032902.	0.7	1

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55	Ionization emissions associated with N^2 $^+$ 1N band in halos without visible sprite streamers. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 5317-5326.	0.8	17
56	Secondary gigantic jets as possible inducers of sprites. <i>Geophysical Research Letters</i> , 2013, 40, 1462-1467.	1.5	6
57	Generation of shock/discontinuity compound structures through magnetic reconnection in the geomagnetic tail. <i>Physics of Plasmas</i> , 2012, 19, 122904.	0.7	3
58	Energy transformation in a reconnection site. <i>Physics of Plasmas</i> , 2012, 19, 032904.	0.7	3
59	Multidimensional nonlinear mirror mode structures in the Earth's magnetosheath. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	14
60	Occurrence of elves and lightning during El Niño and La Niña. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	18
61	Electron acceleration by Z-mode waves associated with cyclotron maser instability. <i>Physics of Plasmas</i> , 2012, 19, 122902.	0.7	5
62	Full kinetic elve model simulations and their comparisons with the ISUAL observed events. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	11
63	Characteristics and generation of secondary jets and secondary gigantic jets. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	13
64	Observations of Stratosphere-Troposphere Coupling During Major Solar Eclipses from FORMOSAT-3/COSMIC Constellation. <i>Space Science Reviews</i> , 2012, 168, 261-282.	3.7	3
65	The 762 nm emissions of sprites. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	10
66	Optical emissions and behaviors of the blue starters, blue jets, and gigantic jets observed in the Taiwan transient luminous event ground campaign. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	30
67	Ionosphere plasma bubbles and density variations induced by pre-earthquake rock currents and associated surface charges. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	136
68	A 2D simulation study of Langmuir, whistler, and cyclotron maser instabilities induced by an electron ring-beam distribution. <i>Physics of Plasmas</i> , 2011, 18, .	0.7	14
69	ISUAL multi-band observations of elves. , 2011, , .		0
70	Controlling synoptic scale factors for the distribution of transient luminous events. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	17
71	Gigantic jets with negative and positive polarity streamers. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	45
72	ISUAL far ultraviolet events, elves, and lightning current. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	38

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73	Are all leading shocks driven by magnetic clouds?. Journal of Geophysical Research, 2010, 115, .	3.3	9
74	The relationship between small interplanetary magnetic flux rope and the substorm expansion phase. Journal of Geophysical Research, 2010, 115, .	3.3	12
75	Nonlinear Saturation of Cyclotron Maser Instability Associated with Energetic Ring-Beam Electrons. Physical Review Letters, 2009, 103, 105101.	2.9	12
76	Formation of fast shocks by magnetic reconnection in the solar corona. Physics of Plasmas, 2009, 16, .	0.7	9
77	Observation of Large-Scale Density Cavities and Parametric-Decay Instabilities in the High-Altitude Discrete Auroral Ionosphere under Pulsed Electromagnetic Radiation. Physical Review Letters, 2009, 102, 105002.	2.9	1
78	Observations of an interplanetary switchâ€œon shock driven by a magnetic cloud. Geophysical Research Letters, 2009, 36, .	1.5	2
79	Immediate impact of the Mt Chaiten eruption on atmosphere from FORMOSATâ€œ3/COSMIC constellation. Geophysical Research Letters, 2009, 36, .	1.5	11
80	Twoâ€œspacecraft observations of an interplanetary slow shock. Journal of Geophysical Research, 2009, 114, .	3.3	6
81	Assessment of sprite initiating electric fields and quenching altitude of N_2^+ state of N_2^+ using sprite streamer modeling and ISUAL spectrophotometric measurements. Journal of Geophysical Research, 2009, 114, .	3.3	30
82	Discharge processes, electric field, and electron energy in ISUALâ€œrecorded gigantic jets. Journal of Geophysical Research, 2009, 114, .	3.3	73
83	A possible generation mechanism of interplanetary rotational discontinuities. Journal of Geophysical Research, 2009, 114, .	3.3	10
84	A Shock Fitting Procedure Based on Monte Carlo Calculations: Application to Slow Shocks. Journal of Geophysical Research, 2008, 113, .	3.3	6
85	Observations of a switchâ€œoff shock in interplanetary space. Journal of Geophysical Research, 2008, 113, .	3.3	4
86	Global distributions and occurrence rates of transient luminous events. Journal of Geophysical Research, 2008, 113, .	3.3	186
87	Interplanetary smallâ€œand intermediateâ€œsized magnetic flux ropes during 1995â€œ2005. Journal of Geophysical Research, 2008, 113, .	3.3	58
88	Electric fields and electron energies in sprites and temporal evolutions of lightning charge moment. Journal Physics D: Applied Physics, 2008, 41, 234010.	1.3	40
89	Radiative emission and energy deposition in transient luminous events. Journal Physics D: Applied Physics, 2008, 41, 234014.	1.3	51
90	Heliosphere Termination Shock as a Transformer of Magnetic Field from Lognormal to Normal Distribution. Astrophysical Journal, 2008, 680, L145-L148.	1.6	5

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91	Structure of fast shocks in the presence of heat conduction. <i>Physics of Plasmas</i> , 2007, 14, 122903.	0.7	4
92	Modeling elves observed by FORMOSAT-2 satellite. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	59
93	Comparison of results from sprite streamer modeling with spectrophotometric measurements by ISUAL instrument on FORMOSAT-2 satellite. <i>Geophysical Research Letters</i> , 2006, 33, n/a-n/a.	1.5	57
94	A new shock fitting procedure for the MHD Rankine-Hugoniot relations for the case of small He ²⁺ slippage. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	20
95	Electric field transition between the diffuse and streamer regions of sprites estimated from ISUAL/array photometer measurements. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	50
96	Effects of a guide field on the evolution of a current sheet. <i>Physics of Plasmas</i> , 2006, 13, 102902.	0.7	9
97	Structure of intermediate shocks and slow shocks in a magnetized plasma with heat conduction. <i>Physics of Plasmas</i> , 2005, 12, 082501.	0.7	10
98	Electric fields and electron energies inferred from the ISUAL recorded sprites. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	1.5	89
99	Dregion ionization by lightning-induced electromagnetic pulses. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	100
100	Generation of cold O ⁺ beams observed in the tail lobe by weak fast shocks in the polar magnetosphere. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	1
101	Gigantic jets between a thundercloud and the ionosphere. <i>Nature</i> , 2003, 423, 974-976.	13.7	191
102	Structure of slow shocks in a magnetized plasma with heat conduction. <i>Physics of Plasmas</i> , 2002, 9, 1185-1191.	0.7	8
103	Observation of sprites over the Asian continent and over oceans around Taiwan. <i>Geophysical Research Letters</i> , 2002, 29, 3-1.	1.5	55
104	Existence of gasdynamic subshocks in Hall magnetohydrodynamics. <i>Geophysical Research Letters</i> , 2001, 28, 1119-1122.	1.5	3
105	Two-dimensional global hybrid simulation of pressure evolution and waves in the magnetosheath. <i>Journal of Geophysical Research</i> , 2001, 106, 10691-10704.	3.3	6
106	Hall effects on the generation of field-aligned currents in three-dimensional magnetic reconnection. <i>Journal of Geophysical Research</i> , 2001, 106, 25951-25960.	3.3	17
107	Generation of kinetic Alfvén waves by mirror instability. <i>Geophysical Research Letters</i> , 2001, 28, 3051-3054.	1.5	9
108	Heating and Acceleration of Protons and Minor Ions by Fast Shocks in the Solar Corona. <i>Astrophysical Journal</i> , 2000, 535, 1014-1026.	1.6	73

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109	Formation of a compound slow shock-rotational discontinuity structure. <i>Journal of Geophysical Research</i> , 2000, 105, 13045-13053.	3.3	10
110	Hall effects on the Walén relation in rotational discontinuities and Alfvén waves. <i>Journal of Geophysical Research</i> , 2000, 105, 18377-18389.	3.3	13
111	Magnetic field rotation and transition width in rotational discontinuities and Alfvén wave trains. <i>Journal of Geophysical Research</i> , 2000, 105, 139-155.	3.3	11
112	Computer studies of the three-dimensional magnetic reconnection with the superimposed By component. <i>Journal of Geophysical Research</i> , 2000, 105, 5529-5540.	3.3	4
113	Reconnection layers in two-dimensional magnetohydrodynamics and comparison with the one-dimensional Riemann problem. <i>Physics of Plasmas</i> , 1999, 6, 3131-3146.	0.7	30
114	A simulation study of generation of field-aligned currents and Alfvén waves by three-dimensional magnetic reconnection. <i>Journal of Geophysical Research</i> , 1999, 104, 10177-10189.	3.3	18
115	Entropy antidiffusion instability and formation of a thin current sheet during geomagnetic substorms. <i>Journal of Geophysical Research</i> , 1998, 103, 29419-29428.	3.3	26
116	Identification of mirror waves by the phase difference between perturbed magnetic field and plasmas. <i>Journal of Geophysical Research</i> , 1998, 103, 6621-6631.	3.3	11
117	The generalized Ohm's law in collisionless magnetic reconnection. <i>Physics of Plasmas</i> , 1997, 4, 509-520.	0.7	104
118	Tearing instability, Kelvin-Helmholtz instability, and magnetic reconnection. <i>Journal of Geophysical Research</i> , 1997, 102, 151-161.	3.3	112
119	Interaction of interplanetary shocks and rotational discontinuities with the Earth's bow shock. <i>Journal of Geophysical Research</i> , 1996, 101, 4835-4848.	3.3	41
120	Generation of dynamic pressure pulses downstream of the bow shock by variations in the interplanetary magnetic field orientation. <i>Journal of Geophysical Research</i> , 1996, 101, 479-493.	3.3	71
121	Simulation of pressure pulses in the bow shock and magnetosheath driven by variations in interplanetary magnetic field direction. <i>Journal of Geophysical Research</i> , 1996, 101, 27251-27269.	3.3	55
122	Evolution of Solar Magnetic Arcades. I. Ideal MHD Evolution under Footpoint Shearing. <i>Astrophysical Journal</i> , 1996, 472, 360-371.	1.6	41
123	Evolution of Solar Magnetic Arcades. II. Effect of Resistivity and Solar Eruptive Processes. <i>Astrophysical Journal</i> , 1996, 472, 372-388.	1.6	50
124	Magnetic reconnection in the presence of sheared flow and density asymmetry: Applications to the Earth's magnetopause. <i>Journal of Geophysical Research</i> , 1995, 100, 11875-11889.	3.3	24
125	Formation of a very thin current sheet in the near-Earth magnetotail and the explosive growth phase of substorms. <i>Geophysical Research Letters</i> , 1995, 22, 1137-1140.	1.5	32
126	Generation of field-aligned currents and Alfvén waves by 3D magnetic reconnection. <i>Geophysical Research Letters</i> , 1995, 22, 1737-1740.	1.5	29

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127	Tailward stretching of geomagnetic field lines in the presence of an enhanced ionospheric convection electric field. <i>Geophysical Research Letters</i> , 1995, 22, 3449-3452.	1.5	8
128	Magnetic field and plasma properties associated with pressure pulses and magnetic reconnection at the dayside magnetopause. <i>Journal of Geophysical Research</i> , 1995, 100, 14895.	3.3	16
129	Simulation study of the Riemann problem associated with the magnetotail reconnection. <i>Journal of Geophysical Research</i> , 1995, 100, 19227.	3.3	35
130	Magnetic flux generation near an O ⁺ line in collisionless reconnection— A new dynamo process. <i>Physics of Plasmas</i> , 1995, 2, 3852-3856.	0.7	5
131	Magnetic reconnection in the presence of sheared plasma flow: Intermediate shock formation. <i>Physics of Plasmas</i> , 1994, 1, 706-713.	0.7	43
132	Plasma pressure and anisotropy inferred from the Tsyganenk magnetic field model. <i>Annales Geophysicae</i> , 1994, 12, 286-295.	0.6	7
133	A mechanism to produce a dawn-dusk component of plasma flow during magnetic reconnection in the magnetotail. <i>Journal of Geophysical Research</i> , 1994, 99, 5869.	3.3	4
134	Momentum transport near a magnetic X line in collisionless reconnection. <i>Journal of Geophysical Research</i> , 1994, 99, 35.	3.3	65
135	Core magnetic field enhancement in single X line, multiple X line and patchy reconnection. <i>Journal of Geophysical Research</i> , 1994, 99, 6125.	3.3	59
136	Generation of slow-mode waves in front of the dayside magnetopause. <i>Geophysical Research Letters</i> , 1994, 21, 629-632.	1.5	32
137	Reconnection layer at the flank magnetopause in the presence of shear flow. <i>Geophysical Research Letters</i> , 1994, 21, 855-858.	1.5	30
138	A hybrid simulation of contact discontinuity. <i>Geophysical Research Letters</i> , 1994, 21, 2059-2062.	1.5	8
139	Tearing mode instability in a multiple current sheet system. <i>Journal of Geophysical Research</i> , 1994, 99, 8657.	3.3	34
140	Kinetic Alfvén waves as a source of plasma transport at the dayside magnetopause. <i>Journal of Geophysical Research</i> , 1994, 99, 17405.	3.3	88
141	Coupling of magnetopause boundary layer to the polar ionosphere. <i>Journal of Geophysical Research</i> , 1993, 98, 5707-5725.	3.3	51
142	Topology of magnetic flux ropes and formation of fossil flux transfer events and boundary layer plasmas. <i>Journal of Geophysical Research</i> , 1993, 98, 3943-3951.	3.3	58
143	Structure of the dayside reconnection layer in resistive MHD and hybrid models. <i>Journal of Geophysical Research</i> , 1993, 98, 3919-3934.	3.3	57
144	Magnetic reconnection with large separatrix angles. <i>Journal of Geophysical Research</i> , 1993, 98, 7593-7602.	3.3	29

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145	A mechanism for the multiple brightenings of dayside poleward-moving auroral forms. Geophysical Research Letters, 1993, 20, 2247-2250.	1.5	28
146	Magnetospheric response to solar wind dynamic pressure variations: Interaction of interplanetary tangential discontinuities with the bow shock. Journal of Geophysical Research, 1993, 98, 21297-21311.	3.3	38
147	Structure of field-aligned plasma jets associated with magnetic reconnection. Physics of Fluids B, 1992, 4, 3808-3810.	1.7	9
148	The role of intermediate shocks in magnetic reconnection. Geophysical Research Letters, 1992, 19, 229-232.	1.5	34
149	Multiple brightenings of transient dayside auroral forms during oval expansions. Geophysical Research Letters, 1992, 19, 2429-2432.	1.5	45
150	Fast magnetic reconnection with small shock angles. Journal of Geophysical Research, 1992, 97, 8277-8293.	3.3	103
151	The beta dependence of the collisionless tearing instability at the dayside magnetopause. Journal of Geophysical Research, 1992, 97, 8257-8267.	3.3	19
152	Particle simulations of driven collisionless magnetic reconnection at the dayside magnetopause. Journal of Geophysical Research, 1992, 97, 8453-8481.	3.3	34
153	Formation of solar prominences by photospheric shearing motions. Solar Physics, 1992, 138, 291-329.	1.0	62
154	A study of slow-mode structures in the dayside magnetosheath. Geophysical Research Letters, 1991, 18, 381-384.	1.5	28
155	Different FTE signatures generated by the bursty single X line reconnection and the multiple X line reconnection at the dayside magnetopause. Journal of Geophysical Research, 1991, 96, 57-66.	3.3	33
156	Evolution of magnetic flux ropes associated with flux transfer events and interplanetary magnetic clouds. Journal of Geophysical Research, 1991, 96, 1619-1632.	3.3	5
157	Chaos and ion heating in a slow shock. Geophysical Research Letters, 1991, 18, 1615-1618.	1.5	26
158	A simulation study of impulsive penetration of solar wind irregularities into the magnetosphere at the dayside magnetopause. Journal of Geophysical Research, 1991, 96, 15751-15765.	3.3	36
159	Magnetic field reconnection patterns at the dayside magnetopause: An MHD simulation study. Journal of Geophysical Research, 1991, 96, 17627-17650.	3.3	21
160	Generation of Pc 1 waves by the ion temperature anisotropy associated with fast shocks caused by sudden impulses. Journal of Geophysical Research, 1991, 96, 17897-17901.	3.3	10
161	Observations of Pi 2 pulsations at a very low latitude ($L = 1.06$) station and magnetospheric cavity resonances. Journal of Geophysical Research, 1991, 96, 21105-21113.	3.3	56
162	Nonlinear magnetic reconnection models with separatrix jets. Journal of Plasma Physics, 1990, 44, 337-360.	0.7	72

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163	Ground magnetic signatures of moving elongated plasma clouds. <i>Journal of Geophysical Research</i> , 1990, 95, 2405-2418.	3.3	36
164	On the generation of the pulsating aurora by the loss cone driven whistler instability in the equatorial region. <i>Journal of Geophysical Research</i> , 1990, 95, 3893-3906.	3.3	15
165	A simulation study of the vortex structure in the low-latitude boundary layer. <i>Journal of Geophysical Research</i> , 1990, 95, 20793-20807.	3.3	32
166	Slow shock characteristics as a function of distance from the X-line in the magnetotail. <i>Geophysical Research Letters</i> , 1989, 16, 903-906.	1.5	33
167	On the stability of rotational discontinuities and intermediate shocks. <i>Journal of Geophysical Research</i> , 1989, 94, 8813-8825.	3.3	47
168	Entry of solar wind particles into Earth's magnetosphere. <i>Journal of Geophysical Research</i> , 1989, 94, 12015-12020.	3.3	5
169	A mechanism for the formation of plasmoids and kink waves in the heliospheric current sheet. <i>Solar Physics</i> , 1988, 117, 157-169.	1.0	22
170	A mechanism for patchy reconnection at the dayside magnetopause. <i>Geophysical Research Letters</i> , 1988, 15, 152-155.	1.5	74
171	A study of multiple X line reconnection at the dayside magnetopause. <i>Geophysical Research Letters</i> , 1988, 15, 295-298.	1.5	48
172	A study of mirror waves generated downstream of a quasi-perpendicular shock. <i>Journal of Geophysical Research</i> , 1988, 93, 247-250.	3.3	49
173	Streaming sausage, kink and tearing instabilities in a current sheet with applications to the Earth's magnetotail. <i>Journal of Geophysical Research</i> , 1988, 93, 7354-7365.	3.3	45
174	Magnetospheric substorms: An equivalent circuit approach. <i>Journal of Geophysical Research</i> , 1988, 93, 7366-7375.	3.3	28
175	A mechanism for the generation of cusp region hydromagnetic waves. <i>Journal of Geophysical Research</i> , 1988, 93, 7578-7585.	3.3	38
176	Streaming tearing instability in the current sheet with a super-Alfvénic flow. <i>Physics of Fluids</i> , 1988, 31, 1544.	1.4	33
177	Negative ion-acoustic solitons in a two-component magnetized plasma. <i>Physics of Fluids</i> , 1988, 31, 1549.	1.4	8
178	Comet-solar wind interaction through ion-proton beam instability. <i>Astrophysical Journal</i> , 1988, 324, 606.	1.6	6
179	A cyclotron-maser instability associated with a nongyrotropic distribution. <i>Physics of Fluids</i> , 1987, 30, 3106.	1.4	18
180	Magnetic reconnection in a collisionless plasma: Evidence for the current sheet acceleration. <i>Geophysical Research Letters</i> , 1987, 14, 1003-1006.	1.5	14

#	ARTICLE	IF	CITATIONS
181	On the generation of magnetosheath lion roars. <i>Journal of Geophysical Research</i> , 1987, 92, 2343-2348.	3.3	28
182	Ionosphere and ground-based response to field-aligned currents near the magnetospheric cusp regions. <i>Journal of Geophysical Research</i> , 1987, 92, 7739-7743.	3.3	90
183	A study of tearing instability in the presence of a pressure anisotropy. <i>Journal of Geophysical Research</i> , 1987, 92, 12171-12179.	3.3	34
184	Increase of ion kinetic temperature across a collisionless shock: 2. A simulation study. <i>Journal of Geophysical Research</i> , 1987, 92, 13438-13446.	3.3	26
185	Increase of ion kinetic temperature across a collisionless shock: I. A new mechanism. <i>Geophysical Research Letters</i> , 1986, 13, 209-212.	1.5	49
186	Reply [to "Comment on "Increase of ion kinetic temperature across a collisionless shock: I. A new concept by L. C. Lee et al." and "Ion acceleration in quasiperpendicular magnetosonic shock waves with subcritical Mach number by Y. Ohsawa and J. Sakai"]. <i>Geophysical Research Letters</i> , 1986, 13, 563-563.	1.5	1
187	Possible evidence of flux transfer events in the polar ionosphere. <i>Geophysical Research Letters</i> , 1986, 13, 1089-1092.	1.5	149
188	Numerical simulation of nonoscillatory mirror waves at the Earth's magnetosheath. <i>Journal of Geophysical Research</i> , 1986, 91, 101-112.	3.3	168
189	A quasi-local theory of the $\langle b \rangle E \tilde{A} - B \langle b \rangle$ instability in the ionosphere. <i>Journal of Geophysical Research</i> , 1986, 91, 3263-3269.	3.3	26
190	Collisional tearing instability in the current sheet with a low magnetic Lundquist number. <i>Journal of Geophysical Research</i> , 1986, 91, 3311-3313.	3.3	20
191	A simulation study of magnetic reconnection: Transition from a fast mode to a slow mode expansion. <i>Journal of Geophysical Research</i> , 1986, 91, 4551-4556.	3.3	27
192	Multiple X line reconnection: 1. A criterion for the transition from a single X line to a multiple X line reconnection. <i>Journal of Geophysical Research</i> , 1986, 91, 6807-6815.	3.3	144
193	Multiple X line reconnection: 2. The dynamics. <i>Journal of Geophysical Research</i> , 1986, 91, 13373-13383.	3.3	37
194	Multiple X line reconnection: 3. A particle simulation of flux transfer events. <i>Journal of Geophysical Research</i> , 1986, 91, 13384-13392.	3.3	16
195	A theory of magnetic flux transfer at the Earth's magnetopause. <i>Geophysical Research Letters</i> , 1985, 12, 105-108.	1.5	456
196	A note on the nature of the distant geomagnetic tail magnetopause and boundary layer. <i>Geophysical Research Letters</i> , 1985, 12, 153-154.	1.5	10
197	Simulation of multiple X-line reconnection at the dayside magnetopause. <i>Geophysical Research Letters</i> , 1985, 12, 291-294.	1.5	76
198	An improvement of the Kamide-Richmond-Matsushita Scheme for the estimation of the three-dimensional current system. <i>Journal of Geophysical Research</i> , 1985, 90, 6469-6474.	3.3	16

#	ARTICLE	IF	CITATIONS
199	A simulation study of forced reconnection processes and magnetospheric storms and substorms. <i>Journal of Geophysical Research</i> , 1985, 90, 10896-10910.	3.3	71
200	A mechanism for the IPDP pulsations. <i>Journal of Geophysical Research</i> , 1984, 89, 877-882.	3.3	6
201	Transmission of magnetohydrodynamic waves through the rotational discontinuity at the Earth's magnetopause. <i>Journal of Geophysical Research</i> , 1984, 89, 10697-10708.	3.3	29
202	A simulation study of the loss cone driven cyclotron maser applied to auroral kilometric radiation. <i>Radio Science</i> , 1984, 19, 509-518.	0.8	37
203	Effects of multiple scattering on coda waves in three-dimensional medium. <i>Pure and Applied Geophysics</i> , 1983, 121, 3-15.	0.8	107
204	A dynamo theory of solar flares. <i>Solar Physics</i> , 1983, 84, 153-167.	1.0	64
205	Short wavelength stabilization of the gradient drift instability due to velocity shear. <i>Geophysical Research Letters</i> , 1983, 10, 357-360.	1.5	26
206	Computer simulation of auroral kilometric radiation. <i>Geophysical Research Letters</i> , 1983, 10, 483-486.	1.5	31
207	Small-scale auroral arc deformations. <i>Journal of Geophysical Research</i> , 1983, 88, 8013-8019.	3.3	39
208	Electrostatic Kelvin-Helmholtz instability in a radially injected plasma cloud. <i>Physics of Fluids</i> , 1983, 26, 2986.	1.4	20
209	Ion stream and modified stream instabilities in the magnetic neutral sheet. <i>Geophysical Research Letters</i> , 1982, 9, 1159-1162.	1.5	23
210	Solar wind energy transfer through the magnetopause of an open magnetosphere. <i>Journal of Geophysical Research</i> , 1982, 87, 1439-1444.	3.3	43
211	Generation of Alfvén waves by deceleration of magnetospheric convection and broadband PI pulsations. <i>Journal of Geophysical Research</i> , 1982, 87, 3511-3518.	3.3	3
212	Generation of the auroral kilometric radiation. <i>Journal of Geophysical Research</i> , 1982, 87, 4476-4487.	3.3	80
213	Particle pitch angle diffusion due to nonadiabatic effects in the plasma sheet. <i>Journal of Geophysical Research</i> , 1982, 87, 7445-7452.	3.3	66
214	Structure of the magnetopause rotational discontinuity. <i>Journal of Geophysical Research</i> , 1982, 87, 139-143.	3.3	46
215	Kelvin-Helmholtz Instability in the magnetopause boundary layer region. <i>Journal of Geophysical Research</i> , 1981, 86, 54-58.	3.3	118
216	Nonlinear ion-acoustic waves and solitons in a magnetized plasma. <i>Physics of Fluids</i> , 1981, 24, 430.	1.4	142

#	ARTICLE	IF	CITATIONS
217	Amplification of radiation near cyclotron frequency due to electron population inversion. Physics of Fluids, 1980, 23, 1348.	1.4	72
218	Spontaneous emission of plasma-frequency radiation in tokamaks. Physics of Fluids, 1980, 23, 413.	1.4	2
219	Double-layer criterion on the altitude of the auroral acceleration region. Geophysical Research Letters, 1980, 7, 429-432.	1.5	13
220	Theory of imperfect magnetosphere-ionosphere coupling. Geophysical Research Letters, 1980, 7, 633-636.	1.5	58
221	Kelvin-Helmholtz instability and the variation of geomagnetic pulsation activity. Geophysical Research Letters, 1980, 7, 777-780.	1.5	55
222	Induced emission of extraordinary mode radiation in tokamaks. Physics of Fluids, 1979, 22, 923.	1.4	2
223	Energy coupling function and solar wind-magnetosphere dynamo. Geophysical Research Letters, 1979, 6, 577-580.	1.5	452
224	Comments on "Nonthermal emission at the plasma frequency". Physics of Fluids, 1979, 22, 386.	1.4	3
225	Excitation of high-frequency waves with mixed polarization by streaming energetic electrons. Journal of Plasma Physics, 1979, 22, 277-288.	0.7	8
226	Transition layer between two magnetized plasmas. Journal of Plasma Physics, 1979, 22, 515-524.	0.7	7
227	On small-scale turbulence in cometary tails. Astrophysical Journal, 1979, 228, 935.	1.6	6
228	A theory of the terrestrial kilometric radiation. Astrophysical Journal, 1979, 230, 621.	1.6	849
229	Spontaneous synchrotron emission from a plasma with an energetic runaway electron tail. Physics of Fluids, 1978, 21, 1502.	1.4	27
230	Spontaneous Emission near the Electron Plasma Frequency in a Plasma with a Runaway Electron Tail. Physical Review Letters, 1978, 40, 1563-1566.	2.9	20
231	Theory of thin-screen scintillations for a spherical wave. Astrophysical Journal, 1977, 218, 468.	1.6	10
232	The irregularity spectrum in interstellar space. Astrophysical Journal, 1976, 206, 735.	1.6	79
233	Strong scintillations in astrophysics. IV - Cross-correlation between different frequencies and finite bandwidth effects. Astrophysical Journal, 1976, 206, 744.	1.6	8
234	Plasma irregularities in the comet's tail. Astrophysical Journal, 1976, 210, 254.	1.6	8

#	ARTICLE	IF	CITATIONS
235	Strong scintillations in astrophysics. I - The Markov approximation, its validity and application to angular broadening. <i>Astrophysical Journal</i> , 1975, 196, 695.	1.6	81
236	Strong scintillations in astrophysics. II - A theory of temporal broadening of pulses. <i>Astrophysical Journal</i> , 1975, 201, 532.	1.6	115
237	Strong scintillations in astrophysics. III - The fluctuations in intensity. <i>Astrophysical Journal</i> , 1975, 202, 439.	1.6	30
238	Wave propagation in a random medium: A complete set of the moment equations with different wavenumbers. <i>Journal of Mathematical Physics</i> , 1974, 15, 1431-1435.	0.5	57
239	on the Relation Between the Pattern and Wind Velocities in Inter-Planetary Scintillations. <i>Astrophysical Journal</i> , 1973, 182, 317.	1.6	13
240	Velocity of the Solar Wind as Determined from Interplanetary Scintillations.. <i>Astrophysical Journal</i> , 1972, 172, 729.	1.6	9