

# Lou-Chuang Lee

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

240  
papers

7,947  
citations

47  
h-index

79  
g-index

242  
ext. papers

8,427  
ext. citations

4.2  
avg, IF

5.66  
L-index

#	Paper	IF	Citations
240	Electromagnetic Proton Beam Instabilities in the Inner Heliosphere: Energy Transfer Rate, Radial Distribution, and Effective Excitation. <i>Astrophysical Journal</i> , <b>2021</b> , 920, 158	4.7	3
239	Shock Properties and Associated Characteristics of Solar Energetic Particles in the 2017 September 10 Ground-level Enhancement Event. <i>Astrophysical Journal</i> , <b>2021</b> , 921, 26	4.7	0
238	Observations of Magnetic Reconnection with Large Separatrix Angles and Separatrix Jets above the Solar Surface. <i>Astrophysical Journal</i> , <b>2021</b> , 915, 17	4.7	2
237	Multifluid MHD Studies of the Ionospheric Magnetic Flux Ropes at Mars. <i>Astrophysical Journal</i> , <b>2021</b> , 915, 6	4.7	2
236	Linear and Nonlinear Effects of Proton Temperature Anisotropy on Proton-beam Instability in the Solar Wind. <i>Astrophysical Journal</i> , <b>2021</b> , 916, 30	4.7	0
235	On the Causes of the Slow Solar Wind: 1. The Solar Unipolar Induction Currents. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2021JA029358	2.6	0
234	An Automatic System for Continuous Monitoring and Sampling of Groundwater Geochemistry in Earthquake-Prone Regions of SW Taiwan. <i>Frontiers in Earth Science</i> , <b>2021</b> , 9,	3.5	1
233	Effect of solar wind density and velocity on the subsolar standoff distance of the Martian magnetic pileup boundary. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 651, A22	5.1	2
232	Resolving Elve, Halo and Sprite Halo Images at 10,000 Fps in the Taiwan 2020 Campaign. <i>Atmosphere</i> , <b>2021</b> , 12, 1000	2.7	1
231	Multiple X-line Reconnection Observed in Mercury's Magnetotail Driven by an Interplanetary Coronal Mass Ejection. <i>Astrophysical Journal Letters</i> , <b>2020</b> , 893, L11	7.9	7
230	Formation of Macroscale Flux Transfer Events at Mercury. <i>Astrophysical Journal Letters</i> , <b>2020</b> , 893, L18	7.9	9
229	Energy Flow in the Region 2 Field-Aligned Current Region Under Quasi-steady Convection. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA026998	2.6	
228	Effects of Electron Temperature Anisotropy on Proton-beam Instability in the Solar Wind. <i>Astrophysical Journal</i> , <b>2020</b> , 899, 61	4.7	2
227	Turbulence Spectra of Electron Density and Magnetic Field Fluctuations in the Local Interstellar Medium. <i>Astrophysical Journal</i> , <b>2020</b> , 904, 66	4.7	2
226	A 3D Parametric Martian Bow Shock Model with the Effects of Mach Number, Dynamic Pressure, and the Interplanetary Magnetic Field. <i>Astrophysical Journal</i> , <b>2020</b> , 903, 125	4.7	5
225	On the Walb Relation for Alfvénic Fluctuations in Interplanetary Space. <i>Astrophysical Journal</i> , <b>2020</b> , 904, 195	4.7	1
224	Plasma and magnetic-field structures near the Martian induced magnetosphere boundary. <i>Astronomy and Astrophysics</i> , <b>2020</b> , 642, A34	5.1	9

223	Earth's Outgoing Longwave Radiation Variability Prior to M 6.0 Earthquakes in the Taiwan Area During 2009-2019. <i>Frontiers in Earth Science</i> , <b>2020</b> , 8,	3.5	10
222	Fluid and kinetic aspects of magnetic reconnection and some related magnetospheric phenomena. <i>Reviews of Modern Plasma Physics</i> , <b>2020</b> , 4, 1	5.6	4
221	On the explosive nature of auroral substorms and solar flares: The electric current approach. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2019</b> , 186, 104-115	2	1
220	Examination of the EUV Intensity in the Open Magnetic Field Regions Associated with Coronal Holes. <i>Astrophysical Journal</i> , <b>2019</b> , 874, 45	4.7	4
219	A New Mechanism for the Field Line Twisting in the Ionospheric Magnetic Flux Rope. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 3266-3275	2.6	2
218	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> , <b>2019</b> , 124, 7994-8014	2.6	2
217	Gamma Ray and Radon Anomalies in Northern Taiwan as a Possible Preearthquake Indicator around the Plate Boundary. <i>Geofluids</i> , <b>2019</b> , 2019, 1-14	1.5	5
216	The Boltzmann Vibrational Temperature of N <sub>2</sub> (B <sup>3</sup> g) Derived From ISUAL Imager Multiband Measurements of Transient Luminous Events. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 10760-10777	2.6	1
215	Interstellar turbulence spectrum from in situ observations of Voyager 1. <i>Nature Astronomy</i> , <b>2019</b> , 3, 154-159	1.5	15
214	Acceleration of ions and neutrals by a traveling electrostatic wave. <i>Physics of Plasmas</i> , <b>2018</b> , 25, 023113	2.1	1
213	Ionospheric density and velocity anomalies before M 6.5 earthquakes observed by DEMETER satellite. <i>Journal of Asian Earth Sciences</i> , <b>2018</b> , 166, 210-222	2.8	7
212	Ionospheric Tidal Waves Observed From Global Ionosphere Maps: Analysis of Total Electron Content. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 6776-6797	2.6	3
211	Continuous Monitoring of Fluid and Gas Geochemistry for Seismic Study in Taiwan. <i>Geophysical Monograph Series</i> , <b>2018</b> , 197-218	1.1	2
210	Electrical Coupling Between the Ionosphere and Surface Charges in the Earthquake Fault Zone. <i>Geophysical Monograph Series</i> , <b>2018</b> , 99-124	1.1	4
209	Studying solar-cycle variation of open magnetic flux regions using coronal holes. <i>Proceedings of the International Astronomical Union</i> , <b>2018</b> , 13, 63-64	0.1	
208	The leading role of atomic oxygen in the collocation of elves and hydroxyl nightglow in the low-latitude mesosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 5550-5567	2.6	3
207	Reply to comment by B. E. Prokhorov and O. V. Zolotov on "An improved coupling model for the lithosphere-atmosphere-ionosphere system" <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 4869-4874	2.6	6
206	Coherency and ellipticity of electromagnetic ion cyclotron waves: Satellite observations and simulations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 3374-3396	2.6	8

205	Spatial and temporal anomalies of soil gas in northern Taiwan and its tectonic and seismic implications. <i>Journal of Asian Earth Sciences</i> , <b>2017</b> , 149, 64-77	2.8	28
204	Solar Open Flux Migration from Pole to Pole: Magnetic Field Reversal. <i>Scientific Reports</i> , <b>2017</b> , 7, 9488	4.9	3
203	Radial Variations of Outward and Inward Alfvénic Fluctuations Based on Ulysses Observations. <i>Astrophysical Journal</i> , <b>2017</b> , 850, 177	4.7	1
202	Preseismic anomalies in soil-gas radon associated with 2016 M 6.6 Meinong earthquake, Southern Taiwan. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , <b>2017</b> , 28, 787-798	1.8	13
201	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> , <b>2016</b> , 817, 178	4.7	14
200	Polarization of obliquely propagating whistler mode waves based on linear dispersion theory. <i>Physics of Plasmas</i> , <b>2016</b> , 23, 122120	2.1	6
199	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> , <b>2016</b> , 121, 10,130-10,156	2.6	39
198	Generation of He <sup>+</sup> and O <sup>+</sup> EMIC waves by the bunch distribution of O <sup>+</sup> ions associated with fast magnetosonic shocks in the magnetosphere. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 9406-9414	4.9	8
197	Evaluating the March 27, 2013 M 6.2 Earthquake Hypocenter Using Momentary High-Conductivity Materials. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , <b>2015</b> , 26, 1	1.8	6
196	Preseismic TEC Changes for Tohoku-Oki Earthquake: Comparisons Between Simulations and Observations. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , <b>2015</b> , 26, 63	1.8	6
195	Ionospheric plasma dynamics and instability caused by upward currents above thunderstorms. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 3240-3253	2.6	12
194	Formation of discontinuities and expansion waves in the outflow region of magnetic reconnection in an asymmetric current sheet. <i>Physics of Plasmas</i> , <b>2015</b> , 22, 102901	2.1	
193	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> , <b>2015</b> , 114, 362-372	2.8	19
192	Compound Effect of Alfvén Waves and Ion-Cyclotron Waves on Heating/Acceleration of Minor Ions via the Pickup Process. <i>Solar Physics</i> , <b>2014</b> , 289, 3895-3916	2.6	6
191	COMPARISON OF TWO-FLUID AND GYROKINETIC MODELS FOR KINETIC ALFVÉN WAVES IN SOLAR AND SPACE PLASMAS. <i>Astrophysical Journal</i> , <b>2014</b> , 792, 36	4.7	4
190	Highly structured electron anisotropy in collisionless reconnection exhausts. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 5389-5395	4.9	24
189	WAVE TEST AND DE HOFFMANN-TELLER FRAME OF INTERPLANETARY LARGE-AMPLITUDE ALFVÉN WAVES. <i>Astrophysical Journal</i> , <b>2014</b> , 786, 149	4.7	12
188	An improved coupling model for the lithosphere-atmosphere-ionosphere system. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 3189-3205	2.6	107

187	Electron acceleration by Z-mode and whistler-mode waves. <i>Physics of Plasmas</i> , <b>2013</b> , 20, 112901	2.1	4
186	Effects of ion-neutral collisions on Alfvén waves: The presence of forbidden zone and heavy damping zone. <i>Physics of Plasmas</i> , <b>2013</b> , 20, 032902	2.1	1
185	Ionization emissions associated with N2+ 1N band in halos without visible sprite streamers. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 5317-5326	2.6	14
184	Secondary gigantic jets as possible inducers of sprites. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 1462-1467	4.9	6
183	Energy transformation in a reconnection site. <i>Physics of Plasmas</i> , <b>2012</b> , 19, 032904	2.1	3
182	Multidimensional nonlinear mirror-mode structures in the Earth's magnetosheath. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		13
181	Occurrence of elves and lightning during El Niño and La Niña. <i>Geophysical Research Letters</i> , <b>2012</b> , 39, n/a-n/a	4.9	14
180	Electron acceleration by Z-mode waves associated with cyclotron maser instability. <i>Physics of Plasmas</i> , <b>2012</b> , 19, 122902	2.1	5
179	Full-kinetic elve model simulations and their comparisons with the ISUAL observed events. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		10
178	Characteristics and generation of secondary jets and secondary gigantic jets. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		12
177	Observations of Stratosphere-Troposphere Coupling During Major Solar Eclipses from FORMOSAT-3/COSMIC Constellation. <i>Space Science Reviews</i> , <b>2012</b> , 168, 261-282	7.5	2
176	Generation of shock/discontinuity compound structures through magnetic reconnection in the geomagnetic tail. <i>Physics of Plasmas</i> , <b>2012</b> , 19, 122904	2.1	3
175	The 762 nm emissions of sprites. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		9
174	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> , <b>2011</b> , 116, n/a-n/a		28
173	Ionosphere plasma bubbles and density variations induced by pre-earthquake rock currents and associated surface charges. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		99
172	A 2D simulation study of Langmuir, whistler, and cyclotron maser instabilities induced by an electron ring-beam distribution. <i>Physics of Plasmas</i> , <b>2011</b> , 18, 092110	2.1	11
171	Controlling synoptic-scale factors for the distribution of transient luminous events. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		12
170	Gigantic jets with negative and positive polarity streamers. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		36

169	ISUAL far-ultraviolet events, elves, and lightning current. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		32
168	Are all leading shocks driven by magnetic clouds?. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		8
167	The relationship between small interplanetary magnetic flux rope and the substorm expansion phase. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		11
166	Nonlinear saturation of cyclotron maser instability associated with energetic ring-beam electrons. <i>Physical Review Letters</i> , <b>2009</b> , 103, 105101	7.4	10
165	Formation of fast shocks by magnetic reconnection in the solar corona. <i>Physics of Plasmas</i> , <b>2009</b> , 16, 092901	2.1	8
164	Observation of large-scale density cavities and parametric-decay instabilities in the high-altitude discrete auroral ionosphere under pulsed electromagnetic radiation. <i>Physical Review Letters</i> , <b>2009</b> , 102, 105002	7.4	1
163	Observations of an interplanetary switch-on shock driven by a magnetic cloud. <i>Geophysical Research Letters</i> , <b>2009</b> , 36, n/a-n/a	4.9	1
162	Immediate impact of the Mt Chaiten eruption on atmosphere from FORMOSAT-3/COSMIC constellation. <i>Geophysical Research Letters</i> , <b>2009</b> , 36, n/a-n/a	4.9	8
161	Two-spacecraft observations of an interplanetary slow shock. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114, n/a-n/a		5
160	Assessment of sprite initiating electric fields and quenching altitude of a1 $\bar{u}$ state of N <sub>2</sub> using sprite streamer modeling and ISUAL spectrophotometric measurements. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114, n/a-n/a		29
159	Discharge processes, electric field, and electron energy in ISUAL-recorded gigantic jets. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114, n/a-n/a		62
158	A possible generation mechanism of interplanetary rotational discontinuities. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114, n/a-n/a		9
157	A Shock Fitting Procedure Based on Monte Carlo Calculations: Application to Slow Shocks. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113, n/a-n/a		6
156	Observations of a switch-off shock in interplanetary space. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113, n/a-n/a		4
155	Global distributions and occurrence rates of transient luminous events. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113, n/a-n/a		147
154	Interplanetary small- and intermediate-sized magnetic flux ropes during 1995–2005. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113, n/a-n/a		46
153	Electric fields and electron energies in sprites and temporal evolutions of lightning charge moment. <i>Journal Physics D: Applied Physics</i> , <b>2008</b> , 41, 234010	3	38
152	Radiative emission and energy deposition in transient luminous events. <i>Journal Physics D: Applied Physics</i> , <b>2008</b> , 41, 234014	3	45

151	Heliosphere Termination Shock as a Transformer of Magnetic Field from Lognormal to Normal Distribution. <i>Astrophysical Journal</i> , <b>2008</b> , 680, L145-L148	4.7	5
150	Modeling elves observed by FORMOSAT-2 satellite. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112, n/a-n/a		52
149	Structure of fast shocks in the presence of heat conduction. <i>Physics of Plasmas</i> , <b>2007</b> , 14, 122903	2.1	4
148	Effects of a guide field on the evolution of a current sheet. <i>Physics of Plasmas</i> , <b>2006</b> , 13, 102902	2.1	9
147	Comparison of results from sprite streamer modeling with spectrophotometric measurements by ISUAL instrument on FORMOSAT-2 satellite. <i>Geophysical Research Letters</i> , <b>2006</b> , 33, n/a-n/a	4.9	51
146	A new shock fitting procedure for the MHD Rankine-Hugoniot relations for the case of small He <sup>2+</sup> slippage. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		20
145	Electric field transition between the diffuse and streamer regions of sprites estimated from ISUAL/array photometer measurements. <i>Geophysical Research Letters</i> , <b>2006</b> , 33,	4.9	45
144	Electric fields and electron energies inferred from the ISUAL recorded sprites. <i>Geophysical Research Letters</i> , <b>2005</b> , 32, n/a-n/a	4.9	78
143	D region ionization by lightning-induced electromagnetic pulses. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		80
142	Structure of intermediate shocks and slow shocks in a magnetized plasma with heat conduction. <i>Physics of Plasmas</i> , <b>2005</b> , 12, 082501	2.1	10
141	Generation of cold O <sup>+</sup> beams observed in the tail lobe by weak fast shocks in the polar magnetosphere. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		1
140	Gigantic jets between a thundercloud and the ionosphere. <i>Nature</i> , <b>2003</b> , 423, 974-6	50.4	154
139	Structure of slow shocks in a magnetized plasma with heat conduction. <i>Physics of Plasmas</i> , <b>2002</b> , 9, 1185-1191	2.1	8
138	Observation of sprites over the Asian continent and over oceans around Taiwan. <i>Geophysical Research Letters</i> , <b>2002</b> , 29, 3-1	4.9	48
137	Existence of gasdynamic subshocks in Hall magnetohydrodynamics. <i>Geophysical Research Letters</i> , <b>2001</b> , 28, 1119-1122	4.9	3
136	Two-dimensional global hybrid simulation of pressure evolution and waves in the magnetosheath. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 10691-10704		4
135	Hall effects on the generation of field-aligned currents in three-dimensional magnetic reconnection. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 25951-25960		13
134	Generation of kinetic Alfvén waves by mirror instability. <i>Geophysical Research Letters</i> , <b>2001</b> , 28, 3051-3054.	4.9	8

- 133 Heating and Acceleration of Protons and Minor Ions by Fast Shocks in the Solar Corona. *Astrophysical Journal*, **2000**, 535, 1014-1026 4-7 67
- 132 Formation of a compound slow shock-rotational discontinuity structure. *Journal of Geophysical Research*, **2000**, 105, 13045-13053 8
- 131 Hall effects on the Walb relation in rotational discontinuities and Alfvén waves. *Journal of Geophysical Research*, **2000**, 105, 18377-18389 13
- 130 Magnetic field rotation and transition width in rotational discontinuities and Alfvén wave trains. *Journal of Geophysical Research*, **2000**, 105, 139-155 10
- 129 Computer studies of the three-dimensional magnetic reconnection with the superimposed B y component. *Journal of Geophysical Research*, **2000**, 105, 5529-5540 4
- 128 Reconnection layers in two-dimensional magnetohydrodynamics and comparison with the one-dimensional Riemann problem. *Physics of Plasmas*, **1999**, 6, 3131-3146 2.1 27
- 127 A simulation study of generation of field-aligned currents and Alfvén waves by three-dimensional magnetic reconnection. *Journal of Geophysical Research*, **1999**, 104, 10177-10189 17
- 126 Entropy antidiffusion instability and formation of a thin current sheet during geomagnetic substorms. *Journal of Geophysical Research*, **1998**, 103, 29419-29428 21
- 125 Identification of mirror waves by the phase difference between perturbed magnetic field and plasmas. *Journal of Geophysical Research*, **1998**, 103, 6621-6631 11
- 124 The generalized Ohm law in collisionless magnetic reconnection. *Physics of Plasmas*, **1997**, 4, 509-520 2.1 96
- 123 Tearing instability, Kelvin-Helmholtz instability, and magnetic reconnection. *Journal of Geophysical Research*, **1997**, 102, 151-161 101
- 122 Interaction of interplanetary shocks and rotational discontinuities with the Earth's bow shock. *Journal of Geophysical Research*, **1996**, 101, 4835-4848 37
- 121 Generation of dynamic pressure pulses downstream of the bow shock by variations in the interplanetary magnetic field orientation. *Journal of Geophysical Research*, **1996**, 101, 479-493 58
- 120 Simulation of pressure pulses in the bow shock and magnetosheath driven by variations in interplanetary magnetic field direction. *Journal of Geophysical Research*, **1996**, 101, 27251-27269 51
- 119 Evolution of Solar Magnetic Arcades. I. Ideal MHD Evolution under Footpoint Shearing. *Astrophysical Journal*, **1996**, 472, 360-371 4-7 34
- 118 Evolution of Solar Magnetic Arcades. II. Effect of Resistivity and Solar Eruptive Processes. *Astrophysical Journal*, **1996**, 472, 372-388 4-7 45
- 117 Magnetic reconnection in the presence of sheared flow and density asymmetry: Applications to the Earth's magnetopause. *Journal of Geophysical Research*, **1995**, 100, 11875 14
- 116 Formation of a very thin current sheet in the near-Earth magnetotail and the explosive growth phase of substorms. *Geophysical Research Letters*, **1995**, 22, 1137-1140 4-9 24



115	Generation of field-aligned currents and Alfvén waves by 3D magnetic reconnection. <i>Geophysical Research Letters</i> , <b>1995</b> , 22, 1737-1740	4.9	27
114	Tailward stretching of geomagnetic field lines in the presence of an enhanced ionospheric convection electric field. <i>Geophysical Research Letters</i> , <b>1995</b> , 22, 3449-3452	4.9	8
113	Magnetic field and plasma properties associated with pressure pulses and magnetic reconnection at the dayside magnetopause. <i>Journal of Geophysical Research</i> , <b>1995</b> , 100, 14895		14
112	Simulation study of the Riemann problem associated with the magnetotail reconnection. <i>Journal of Geophysical Research</i> , <b>1995</b> , 100, 19227		33
111	Magnetic flux generation near an O-line in collisionless reconnection—A new dynamo process. <i>Physics of Plasmas</i> , <b>1995</b> , 2, 3852-3856	2.1	5
110	Magnetic reconnection in the presence of sheared plasma flow: Intermediate shock formation. <i>Physics of Plasmas</i> , <b>1994</b> , 1, 706-713	2.1	39
109	Plasma pressure and anisotropy inferred from the Tsyganenko magnetic field model. <i>Annales Geophysicae</i> , <b>1994</b> , 12, 286-295	2	7
108	A mechanism to produce a dawn-dusk component of plasma flow during magnetic reconnection in the magnetotail. <i>Journal of Geophysical Research</i> , <b>1994</b> , 99, 5869		4
107	Momentum transport near a magnetic X line in collisionless reconnection. <i>Journal of Geophysical Research</i> , <b>1994</b> , 99, 35		62
106	Core magnetic field enhancement in single X line, multiple X line and patchy reconnection. <i>Journal of Geophysical Research</i> , <b>1994</b> , 99, 6125		55
105	Generation of slow-mode waves in front of the dayside magnetopause. <i>Geophysical Research Letters</i> , <b>1994</b> , 21, 629-632	4.9	28
104	Reconnection layer at the flank magnetopause in the presence of shear flow. <i>Geophysical Research Letters</i> , <b>1994</b> , 21, 855-858	4.9	27
103	A hybrid simulation of contact discontinuity. <i>Geophysical Research Letters</i> , <b>1994</b> , 21, 2059-2062	4.9	7
102	Tearing mode instability in a multiple current sheet system. <i>Journal of Geophysical Research</i> , <b>1994</b> , 99, 8657		30
101	Kinetic Alfvén waves as a source of plasma transport at the dayside magnetopause. <i>Journal of Geophysical Research</i> , <b>1994</b> , 99, 17405		75
100	Topology of magnetic flux ropes and formation of fossil flux transfer events and boundary layer plasmas. <i>Journal of Geophysical Research</i> , <b>1993</b> , 98, 3943-3951		52
99	Structure of the dayside reconnection layer in resistive MHD and hybrid models. <i>Journal of Geophysical Research</i> , <b>1993</b> , 98, 3919-3934		52
98	Magnetic reconnection with large separatrix angles. <i>Journal of Geophysical Research</i> , <b>1993</b> , 98, 7593-7602		27

97	A mechanism for the multiple brightenings of dayside poleward-moving auroral forms. <i>Geophysical Research Letters</i> , <b>1993</b> , 20, 2247-2250	4.9	23
96	Magnetospheric response to solar wind dynamic pressure variations: Interaction of interplanetary tangential discontinuities with the bow shock. <i>Journal of Geophysical Research</i> , <b>1993</b> , 98, 21297-21311		32
95	Coupling of magnetopause-boundary layer to the polar ionosphere. <i>Journal of Geophysical Research</i> , <b>1993</b> , 98, 5707-5725		49
94	Structure of field-aligned plasma jets associated with magnetic reconnection. <i>Physics of Fluids B</i> , <b>1992</b> , 4, 3808-3810		9
93	The role of intermediate shocks in magnetic reconnection. <i>Geophysical Research Letters</i> , <b>1992</b> , 19, 229-232	4.9	31
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