Louis J Lanzerotti

List of Publications by Year
in descending order

256	9,644	36691 53	54771 88
papers	citations	h-index	g-index

259	259	259	3602
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mirror Instabilities in the Inner Magnetosphere and Their Potential for Localized ULF Wave Generation. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028773.	0.8	8
2	Observations of Particle Loss due to Injectionâ€Associated Electromagnetic Ion Cyclotron Waves. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028503.	0.8	11
3	Upper Limit of Proton Anisotropy and Its Relation to Electromagnetic Ion Cyclotron Waves in the Inner Magnetosphere. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028614.	0.8	5
4	Superposed Epoch Analysis of Dispersionless Particle Injections Inside Geosynchronous Orbit. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029546.	0.8	9
5	Dynamic Properties of Particle Injections Inside Geosynchronous Orbit: A Multisatellite Case Study. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028215.	0.8	4
6	Pitch Angle Dependence of Electron and Ion Flux Changes During Local Magnetic Dipolarization Inside Geosynchronous Orbit. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027543.	0.8	8
7	Energetic charged particle measurements from Voyager 2 at the heliopause and beyond. Nature Astronomy, 2019, 3, 997-1006.	4.2	59
8	Statistical Study of Selective Oxygen Increase in Highâ€Energy Ring Current Ions During Magnetic Storms. Journal of Geophysical Research: Space Physics, 2019, 124, 3193-3209.	0.8	7
9	Space Research and Space Weather: Some Personal Vignettes 1965 to Early 1980s. Journal of Geophysical Research: Space Physics, 2019, 124, 3979-3992.	0.8	1
10	Observational evidence of the drift-mirror plasma instability in Earth's inner magnetosphere. Physics of Plasmas, 2019, 26, 042110.	0.7	18
11	Eastward Propagating Second Harmonic Poloidal Waves Triggered by Temporary Outward Gradient of Proton Phase Space Density: Van Allen Probe A Observation. Journal of Geophysical Research: Space Physics, 2019, 124, 9904-9923.	0.8	19
12	Threeâ€Step Buildup of the 17 March 2015 Storm Ring Current: Implication for the Cause of the Unexpected Storm Intensification. Journal of Geophysical Research: Space Physics, 2018, 123, 414-428.	0.8	13
13	Radial Transport of Higherâ€Energy Oxygen Ions Into the Deep Inner Magnetosphere Observed by Van Allen Probes. Geophysical Research Letters, 2018, 45, 4534-4541.	1.5	8
14	International Geophysical Year: Space Weather Impacts in February 1958. Space Weather, 2018, 16, 775-776.	1.3	4
15	Response of Different Ion Species to Local Magnetic Dipolarization Inside Geosynchronous Orbit. Journal of Geophysical Research: Space Physics, 2018, 123, 5420-5434.	0.8	13
16	Anthropogenic Space Weather. Space Science Reviews, 2017, 212, 985-1039.	3.7	32
17	The National Space Weather Program: Two decades of interagency partnership and accomplishments. Space Weather, 2017, 15, 14-25.	1.3	8
18	Dominance of highâ€energy (>150ÂkeV) heavy ion intensities in Earth's middle to outer magnetosphere. Journal of Geophysical Research: Space Physics, 2017, 122, 9282-9293.	0.8	18

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19	The Characteristic Pitch Angle Distributions of 1ÂeV to 600ÂkeV Protons Near the Equator Based On Van Allen Probes Observations. Journal of Geophysical Research: Space Physics, 2017, 122, 9464-9473.	0.8	33
20	Space weather research: Earth's radiation belts. Space Weather, 2017, 15, 742-745.	1.3	9
21	Space Weather: Historical and Contemporary Perspectives. Space Science Reviews, 2017, 212, 1253-1270.	3.7	43
22	Climatology of highâ€i² plasma measurements in Earth's inner magnetosphere. Journal of Geophysical Research: Space Physics, 2017, 122, 711-726.	0.8	10
23	Short-period mesospheric gravity waves and their sources at the South Pole. Atmospheric Chemistry and Physics, 2017, 17, 911-919.	1.9	10
24	Ring Current He Ion Control by Bounce Resonant ULF Waves. Journal of Geophysical Research: Space Physics, 2017, 122, 12,031.	0.8	2
25	Ring current electron dynamics during geomagnetic storms based on the Van Allen Probes measurements. Journal of Geophysical Research: Space Physics, 2016, 121, 3333-3346.	0.8	52
26	Storm time impulsive enhancements of energetic oxygen due to adiabatic acceleration of preexisting warm oxygen in the inner magnetosphere. Journal of Geophysical Research: Space Physics, 2016, 121, 7739-7752.	0.8	15
27	Rethinking the polar cap: Eccentric dipole structuring of ULF power at the highest corrected geomagnetic latitudes. Journal of Geophysical Research: Space Physics, 2016, 121, 8475-8507.	0.8	5
28	Resource Letter SW1: Space Weather. American Journal of Physics, 2016, 84, 166-180.	0.3	49
29	RBSPICE measurement of ion loss during the 2015 March storm: Adiabatic response to the geomagnetic field change. Journal of Geophysical Research: Space Physics, 2016, 121, 9547-9559.	0.8	2
30	A statistical study of proton pitch angle distributions measured by the Radiation Belt Storm Probes Ion Composition Experiment. Journal of Geophysical Research: Space Physics, 2016, 121, 5233-5249.	0.8	11
31	The source of O⁺ in the storm time ring current. Journal of Geophysical Research: Space Physics, 2016, 121, 5333-5349.	0.8	63
32	The permeability of the magnetopause to a multispecies substorm injection of energetic particles. Geophysical Research Letters, 2016, 43, 9453-9460.	1.5	7
33	"Resource Letter" for Space Weather. Space Weather, 2016, 14, 528-529.	1.3	4
34	Storm time dynamics of ring current protons: Implications for the longâ€term energy budget in the inner magnetosphere. Geophysical Research Letters, 2016, 43, 4736-4744.	1.5	44
35	The evolution of ring current ion energy density and energy content during geomagnetic storms based on Van Allen Probes measurements. Journal of Geophysical Research: Space Physics, 2015, 120, 7493-7511.	0.8	70
36	Neutral Oxygen Effects at Low Earth Altitudes: A Critical Uncertainty for Spacecraft Operations and Space Weather Effects. Space Weather, 2015, 13, 396-397.	1.3	2

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37	On the formation and origin of substorm growth phase/onset auroral arcs inferred from conjugate spaceâ€ground observations. Journal of Geophysical Research: Space Physics, 2015, 120, 8707-8722.	0.8	21
38	On the use of drift echoes to characterize onâ€orbit sensor discrepancies. Journal of Geophysical Research: Space Physics, 2015, 120, 2076-2087.	0.8	8
39	Sam Williamson Retires as Federal Coordinator for Meteorology. Space Weather, 2015, 13, 5-5.	1.3	0
40	Appreciation ofSpace WeatherPeer Reviewers for 2014. Space Weather, 2015, 13, 395-395.	1.3	0
41	Space Weather Strategy and Action Plan: The National Program Is Rolled Out. Space Weather, 2015, 13, 824-825.	1.3	11
42	Spatial structure and temporal evolution of energetic particle injections in the inner magnetosphere during the 14 July 2013 substorm event. Journal of Geophysical Research: Space Physics, 2015, 120, 1924-1938.	0.8	49
43	Link between premidnight second harmonic poloidal waves and auroral undulations: Conjugate observations with a Van Allen Probe spacecraft and a THEMIS all-sky imager. Journal of Geophysical Research: Space Physics, 2015, 120, 1814-1831.	0.8	14
44	The role of smallâ€scale ion injections in the buildup of Earth's ring current pressure: Van Allen Probes observations of the 17 March 2013 storm. Journal of Geophysical Research: Space Physics, 2014, 119, 7327-7342.	0.8	91
45	Space WeatherThrough a Solar Cycle. Space Weather, 2014, 12, 1-1.	1.3	0
46	Initial measurements of Oâ€ion and Heâ€ion decay rates observed from the Van Allen probes RBSPICE instrument. Journal of Geophysical Research: Space Physics, 2014, 119, 8813-8819.	0.8	14
47	An impenetrable barrier to ultrarelativistic electrons in the Van Allen radiation belts. Nature, 2014, 515, 531-534.	13.7	159
48	Rotationally driven â€˜zebra stripesâ€™ in Earthâ€™s inner radiation belt. Nature, 2014, 507, 338-340.	13.7	42
49	Interview With Dr. Thomas Berger, NOAA. Space Weather, 2014, 12, 568-570.	1.3	0
50	Earth Observations and Space Weather. Space Weather, 2014, 12, 527-527.	1.3	0
51	Comparison of energetic electron intensities outside and inside the radiation belts. Journal of Geophysical Research: Space Physics, 2014, 119, 6213-6230.	0.8	1
52	Quiet time observations of He ions in the inner magnetosphere as observed from the RBSPICE instrument aboard the Van Allen Probes mission. Geophysical Research Letters, 2014, 41, 1100-1105.	1.5	11
53	Space Weather Effects in a Reduced Solar Cycle. Space Weather, 2014, 12, 299-299.	1.3	0
54	Space Radiation and Human Flight to Mars. Space Weather, 2014, 12, 447-447.	1.3	0

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55	The Last Telegram and Space Weather. Space Weather, 2013, 11, 443-444.	1.3	0
56	Search for the Exit: Voyager 1 at Heliosphereâ€™s Border with the Galaxy. Science, 2013, 341, 144-147.	6.0	186
57	Radiation Belt Storm Probes Ion Composition Experiment (RBSPICE). Space Science Reviews, 2013, 179, 263-308.	3.7	155
58	Van Allen Probes Mission. Space Weather, 2013, 11, 133-133.	1.3	2
59	Unified National Space Weather Capability. Space Weather, 2013, 11, 387-387.	1.3	1
60	Radiation Belt Storm Probes Ion Composition Experiment (RBSPICE). , 2013, , 263-308.		11
61	Government and Public Awareness of Space Weather. Space Weather, 2011, 9, n/a-n/a.	1.3	2
62	ENERGETIC PARTICLE OBSERVATIONS AND PROPAGATION IN THE THREE-DIMENSIONAL HELIOSPHERE DURING THE 2006 DECEMBER EVENTS. Astrophysical Journal, 2009, 704, 469-476.	1.6	30
63	Observations of Earth space by self-powered stations in Antarctica. Review of Scientific Instruments, 2009, 80, 124501.	0.6	11
64	Mediation of the solar wind termination shock by non-thermal ions. Nature, 2008, 454, 67-70.	13.7	221
65	Encounter of theUlyssesSpacecraft with the Ion Tail of Comet McNaught. Astrophysical Journal, 2007, 667, 1262-1266.	1.6	51
66	Observed solar radio burst effects on GPS/Wide Area Augmentation System carrier-to-noise ratio. Space Weather, 2006, 4, n/a-n/a.	1.3	64
67	Characteristics of merging at the magnetopause inferred from dayside 557.7-nm all-sky images: IMF drivers of poleward moving auroral forms. Annales Geophysicae, 2006, 24, 3071-3098.	0.6	9
68	Dynamics of Saturn's Magnetosphere from MIMI During Cassini's Orbital Insertion. Science, 2005, 307, 1270-1273.	6.0	166
69	Pickup Ions Upstream and Downstream of Shocks. AIP Conference Proceedings, 2005, , .	0.3	4
70	Voyager 1 in the Foreshock, Termination Shock, and Heliosheath. Science, 2005, 309, 2020-2024.	6.0	405
71	A statistical analysis of low-frequency magnetic pulsations at cusp and cap latitudes in Antarctica. Journal of Geophysical Research, 2005, 110, .	3.3	24
72	Two-dimensional structure of long-period pulsations at polar latitudes in Antarctica. Journal of Geophysical Research, 2004, 109, .	3.3	25

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73	Voyager 1 exited the solar wind at a distance of â^¼85â€‰au from the Sun. Nature, 2003, 426, 45-48.	13.7	170
74	The Sun and Heliosphere at Solar Maximum. Science, 2003, 302, 1165-1169.	6.0	60
75	The Peak Flux Distribution of Solar Radio Bursts. Astrophysical Journal, 2002, 570, 423-438.	1.6	76
76	Solar radio burst event (6 April 2001) and noise in wireless communications systems. Bell Labs Technical Journal, 2002, 7, 159-163.	0.7	9
77	A nebula of gases from Io surrounding Jupiter. Nature, 2002, 415, 994-996.	13.7	44
78	Geomagnetic quiet time (Sq) variations at high latitudes. Geophysical Research Letters, 2001, 28, 2581-2584.	1.5	11
79	The distention of the magnetosphere on May 11, 1999: High latitude Antarctic observations and comparisons with low latitude magnetic and geopotential data. Geophysical Research Letters, 2000, 27, 4029-4032.	1.5	7
80	Energetic trapped electron measurements from the Galileo Jupiter probe. Geophysical Research Letters, 2000, 27, 2445-2448.	1.5	7
81	A dayside ionospheric absorption perturbation in response to a large deformation of the magnetopause. Geophysical Research Letters, 1999, 26, 517-520.	1.5	7
82	Title is missing!. Solar Physics, 1998, 181, 455-468.	1.0	25
83	Geosynchronous spacecraft charging in January 1997. Geophysical Research Letters, 1998, 25, 2967-2970.	1.5	25
84	A pair of forward and reverse slow-mode shocks detected by Ulysses at â^¼5 AU. Geophysical Research Letters, 1998, 25, 2613-2616.	1.5	23
85	Low energy anomalous ions at northern heliolatitudes. Geophysical Research Letters, 1998, 25, 3473-3476.	1.5	6
86	Spin rate of Galileo probe during descent into the atmosphere of Jupiter. Journal of Spacecraft and Rockets, 1998, 35, 100-102.	1.3	8
87	Energetic particle signatures at Ganymede: Implications for Ganymede's magnetic field. Geophysical Research Letters, 1997, 24, 2163-2166.	1.5	66
88	Oscillatory Nature of the Magnetosphere II. The EM-Background, Strong Packets of Waves, Resonances. Journal of Geomagnetism and Geoelectricity, 1997, 49, S85-S119.	0.8	2
89	High-Energy Charged Particles in the Innermost Jovian Magnetosphere. Science, 1996, 272, 856-858.	6.0	66
90	Radio Frequency Signals in Jupiter's Atmosphere. Science, 1996, 272, 858-860.	6.0	26

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91	Electron Beams and Ion Composition Measured at Io and in Its Torus. Science, 1996, 274, 401-403.	6.0	120
92	The nature of the solar wind. Nature, 1996, 381, 32-32.	13.7	10
93	Helioradius Dependence of Interplanetary Carbon and Oxygen Abundances during 1991 Solar Activity. Astrophysical Journal, 1996, 468, L123-L126.	1.6	6
94	Study of distribution functions of interplanetary particles accelerated at co-rotating interaction region at?5A.U.. Space Science Reviews, 1995, 72, 335-338.	3.7	1
95	Ocean cable measurements of the tsunami signal from the 1992 Cape Mendocino earthquake. Pure and Applied Geophysics, 1995, 144, 427-440.	0.8	10
96	Propagation of solar oscillations through the interplanetary medium. Nature, 1995, 376, 139-144.	13.7	94
97	Studies of Large-Scale Earth Potentials Across Oceanic Distances. At&T Technical Journal, 1995, 74, 73-84.	0.4	22
98	Over the southern solar pole: low-energy interplanetary charged particles. Science, 1995, 268, 1010-1013.	6.0	22
99	Measurement of anomalous cosmic ray oxygen at heliolatitudes â^¼25Â° to â^¼64Â°. Geophysical Research Letters, 1995, 22, 333-336.	1.5	4
100	Geoelectric power spectra over oceanic distances. Geophysical Research Letters, 1995, 22, 421-424.	1.5	17
101	Heliolatitude dependence of interplanetary heavy ions. Geophysical Research Letters, 1995, 22, 3361-3364.	1.5	8
102	Detection of a solar particle event at an heliolatitude of 73.8Â°S. Geophysical Research Letters, 1995, 22, 3377-3380.	1.5	14
103	The propagation of sub-MeV solar electrons to heliolatitudes above 50Â°S. Geophysical Research Letters, 1995, 22, 3373-3376.	1.5	16
104	Anomalous cosmic ray oxygen and neon (â^¼2.4 MeV/nucl) at high southern heliolatitudes. Geophysical Research Letters, 1995, 22, 3353-3356.	1.5	10
105	Inferred quasiâ€steady ionospheric neutral winds and electrical currents at 79Â° south latitude in austral summer conditions. Geophysical Research Letters, 1994, 21, 217-220.	1.5	5
106	Observation by Ulysses of hot (â^¼270 keV) coronal particles at 32Â° south heliolatitude and 4.6 AU. Geophysical Research Letters, 1994, 21, 1747-1750.	1.5	32
107	Comment on â€œHow strong is the invisible component of the magnetic field in the Earth's coreâ€•by K. Zhang and D. R. Fearn. Geophysical Research Letters, 1994, 21, 2339-2340.	1.5	1
108	Antarctic Environmental Concerns. Science, 1992, 256, 950-950.	6.0	4

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109	The Hot Plasma Environment at Jupiter: Ulysses Results. Science, 1992, 257, 1518-1524.	6.0	67
110	Possible measurements of smallâ€amplitude tid's using parallel, unpowered telecommunications cables. Geophysical Research Letters, 1992, 19, 253-256.	1.5	9
111	Solar particle composition: Measurements in the March 1991 event at 2.5AU. Geophysical Research Letters, 1992, 19, 1251-1254.	1.5	6
112	Earth potential over 4000 km between Hawaii and California. Geophysical Research Letters, 1992, 19, 1177-1180.	1.5	16
113	Geoelectric field measurements on a planetary scale: Oceanographic and geophysical applications. Geophysical Research Letters, 1992, 19, 1411-1414.	1.5	21
114	Lowâ€energy solar electrons and ions observed at Ulysses Februaryâ€April, 1991: The inner heliosphere as a particle reservoir. Geophysical Research Letters, 1992, 19, 1243-1246.	1.5	102
115	Correction to â€œEarth potential over 4000 km between Hawaii and Californiaâ€•by L. J. Lanzerotti, C. H. Sayres, L. V. Medford, J. S. Kraus, and C. G. MacLennan. Geophysical Research Letters, 1992, 19, 1321-1321.	1.5	0
116	Comment on â€œGreat magnetic stormsâ€•by Tsurutani et al.. Geophysical Research Letters, 1992, 19, 1991-1992.	1.5	32
117	Energetic Particles at Venus: Galileo Results. Science, 1991, 253, 1525-1528.	6.0	17
118	Large solar proton events and geosynchronous communication spacecraft solar arrays. Journal of Spacecraft and Rockets, 1991, 28, 614-616.	1.3	8
119	Hot plasma parameters in Neptune's magnetosphere. Geophysical Research Letters, 1990, 17, 1685-1688.	1.5	16
120	Magnetic impulses and associated optical signatures in the dayside aurora. Geophysical Research Letters, 1990, 17, 131-134.	1.5	42
121	Comment on â€œIon heating and acceleration by magnetosonic waves via cyclotron subharmonic resonanceâ€• Geophysical Research Letters, 1990, 17, 191-192.	1.5	0
122	Solar wind properties observed during highâ€latitude impulsive perturbation events. Geophysical Research Letters, 1990, 17, 579-582.	1.5	30
123	Background magnetic spectra: âˆ¼10^{â€“5} to âˆ¼10⁵ Hz. Geophysical Research Letters, 1990, 17, 1593-1596.	1.5	48
124	Hot Plasma and Energetic Particles in Neptune's Magnetosphere. Science, 1989, 246, 1483-1489.	6.0	96
125	Transatlantic Earth Potential Variations During the March 1989 Magnetic Storms. Geophysical Research Letters, 1989, 16, 1145-1148.	1.5	49
126	Comment on â€œSolar wind dynamic pressure variations and transient magnetospheric signaturesâ€• Geophysical Research Letters, 1989, 16, 1197-1199.	1.5	36

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127	Comment on â€œMHD Wave breaking in the outer plasmasphereâ€• Geophysical Research Letters, 1988, 15, 471-473.	1.5	3
128	Transmission of solar wind hydromagnetic energy into the terrestrial magnetosphere. Geophysical Research Letters, 1988, 15, 1275-1278.	1.5	22
129	Impulsive electric and magnetic field perturbations observed over South Pole: Flux transfer events?. Geophysical Research Letters, 1988, 15, 1545-1548.	1.5	30
130	Review of hydromagnetic wave studies in the Antarctic. Reviews of Geophysics, 1988, 26, 181-207.	9.0	48
131	An observation of atmospheric gravity wave cause and effect during the October 1985 WAGS campaign. Radio Science, 1988, 23, 919-930.	0.8	47
132	Comment on the Research Note â€œA Correlation Study between the Solar Wind Speed Observed by Suisei and the Amplitude of Pc 3 Geomagnetic Pulsations, â€•by Miyake, Mukai, Yumoto, Saito, and Hirao. Journal of Geomagnetism and Geoelectricity, 1988, 40, 1407-1409.	0.8	2
133	Laboratory Antarctica: Research Contributions to Global Problems. Science, 1987, 238, 1361-1368.	6.0	21
134	The planetary scale distribution of telluric currents and the effect of the equatorial electrojet: An investigation by canonical GDS. Pure and Applied Geophysics, 1987, 125, 369-392.	0.8	1
135	Experimental study of erosion of methane ice by energetic ions and some considerations for astrophysics. Astrophysical Journal, 1987, 313, 910.	1.6	55
136	Study of tidal periodicities using a Transatlantic telecommunications cable. Geophysical Research Letters, 1986, 13, 525-528.	1.5	14
137	Possible evidence of flux transfer events in the polar ionosphere. Geophysical Research Letters, 1986, 13, 1089-1092.	1.5	149
138	Sputtering of sodium on the planet Mercury. Nature, 1986, 323, 694-696.	13.7	136
139	The Magnetosphere of Uranus: Hot Plasma and Radiation Environment. Science, 1986, 233, 97-102.	6.0	97
140	Interplanetary conditions during 3-kHz radio-wave detections in the outer heliosphere. Nature, 1985, 316, 243-244.	13.7	7
141	Does Saturn have rings outside 10 Rs?. Nature, 1985, 317, 508-509.	13.7	5
142	Geomagnetic anomaly detected at hydromagnetic wave frequencies. Journal of Geophysical Research, 1985, 90, 3569-3574.	3.3	5
143	Production of ammonia-depleted surface layers on the saturnian satellites by ion sputtering. Nature, 1984, 312, 139-140.	13.7	56
144	Largeâ€amplitude ion bounce wave in the magnetosphere near L=3. Geophysical Research Letters, 1983, 10, 479-481.	1.5	6

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145	Plasma ionâ€induced molecular ejection on the Galilean satellites: Energies of ejected molecules. Geophysical Research Letters, 1983, 10, 892-895.	1.5	62
146	On the plasma conditions at the dayside magnetopause of Saturn. Geophysical Research Letters, 1983, 10, 1200-1202.	1.5	9
147	Induction of currents in long submarine cables by natural phenomena. Reviews of Geophysics, 1983, 21, 795-803.	9.0	33
148	Fast Ion Bombardment of Ices and Its Astrophysical Implications. Science, 1982, 218, 525-531.	6.0	115
149	Low-Energy Hot Plasma and Particles in Saturn's Magnetosphere. Science, 1982, 215, 571-577.	6.0	57
150	Induction in a transatlantic cable at periods between 20 minutes and one day. Geophysical Research Letters, 1982, 9, 439-441.	1.5	6
151	Reply [to â€œComment on â€˜Geomagnetic depth sounding by induction arrow representation: A reviewâ€™ by G. P. Gregori and L. J. Lanzerottiâ€]. Reviews of Geophysics, 1982, 20, 523-528.	9.0	3
152	Electrical conductivity structure in the lower crust. Geophysical Surveys, 1982, 4, 467-499.	0.3	16
153	Laboratory studies of charged particle erosion of SO2 ice and applications to the frosts of Io. Astrophysical Journal, 1982, 259, 920.	1.6	73
154	Formaldehyde formation in a H2O/CO2 ice mixture under irradiation by fast ions. Astrophysical Journal, 1982, 262, 636.	1.6	71
155	Reply [to â€œ Comment on â€˜Geomagnetic depth sounding by induction arrow representation: A reviewâ€™â€]. Reviews of Geophysics, 1981, 19, 689-689.	9.0	2
156	Geomagnetic induction on a transatlantic communications cable. Nature, 1981, 290, 392-393.	13.7	17
157	Solar activity and solar neutrino flux. Nature, 1981, 293, 122-124.	13.7	19
158	Excitation of Magnetospheric Hydromagnetic Waves by Solar-Flare-Induced Change in Ionospheric Conductivity. Physical Review Letters, 1981, 47, 1343-1346.	2.9	11
159	Low-Energy Charged Particles in Saturn's Magnetosphere: Results from Voyager 1. Science, 1981, 212, 225-231.	6.0	90
160	Erosion of Galilean Satellite Surfaces by Jovian Magnetosphere Particles. Science, 1981, 212, 1027-1030.	6.0	66
161	High time resolution riometer and X-ray measurements of conjugate electron precipitation from the magnetosphere. Nature, 1980, 283, 278-280.	13.7	10
162	Linear and Nonlinear Processes in the Erosion ofH2O Ice by Fast Light Ions. Physical Review Letters, 1980, 45, 1632-1635.	2.9	119

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163	Energetic (â^¼ 100â€keV) tailwardâ€directed ion beam outside the Jovian plasma boundary. Geophysical Research Letters, 1980, 7, 13-16.	1.5	28
164	Ions of Jovian origin observed by Voyager 1 and 2 in interplanetary space. Geophysical Research Letters, 1980, 7, 453-456.	1.5	26
165	Detection of energetic hydrogen molecules in Jupiter's magnetosphere by Voyager 2: Evidence for an ionospheric plasma source. Geophysical Research Letters, 1980, 7, 813-816.	1.5	54
166	Statics of the nightside Jovian plasma sheet. Geophysical Research Letters, 1980, 7, 817-820.	1.5	35
167	Geomagnetic depth sounding by induction arrow representation: A review. Reviews of Geophysics, 1980, 18, 203-209.	9.0	44
168	The Rotation of Hydromagnetic Waves by the Ionosphere. Journal of Geomagnetism and Geoelectricity, 1980, 32, SII141-SII145.	0.8	2
169	Low-Energy Charged Particle Environment at Jupiter: A First Look. Science, 1979, 204, 998-1003.	6.0	133
170	Hot Plasma Environment at Jupiter: Voyager 2 Results. Science, 1979, 206, 977-984.	6.0	140
171	Impulsive, quasi-periodic variations in ionospheric absorption of cosmic radio noise.. Journal of Geomagnetism and Geoelectricity, 1979, 31, 585-597.	0.8	7
172	Low energy cosmic ray erosion of ice grains in interplanetary and interstellar media. Nature, 1978, 272, 431-433.	13.7	46
173	Oscillations of the Sun and the geomagnetic field. Nature, 1978, 275, 113-114.	13.7	4
174	On the contribution of water products from Galilean satellites to the Jovian magnetosphere. Geophysical Research Letters, 1978, 5, 155-158.	1.5	87
175	On the relationship of â^¼3 mHz (Pc5) electric, magnetic, and particle variations. Geophysical Research Letters, 1978, 5, 403-406.	1.5	22
176	Solarâ€polar coronal holes and the northâ€south cosmic ray gradient. Geophysical Research Letters, 1978, 5, 589-591.	1.5	11
177	On the orientation of hydromagnetic waves in the magnetosphere. Reviews of Geophysics, 1978, 16, 263-266.	9.0	15
178	"Sputtering" of Ice by MeV Light Ions. Physical Review Letters, 1978, 40, 1027-1030.	2.9	233
179	Azimuthal characteristics of hydromagnetic waves nearL= 4. Journal of Geophysical Research, 1977, 82, 2879-2886.	3.3	12
180	Hydromagnetic wave observations at large longitudinal separations. Journal of Geophysical Research, 1977, 82, 3329-3335.	3.3	23

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181	A comparison of ULF and VLF measurements of magnetospheric cold plasma densities. Journal of Geophysical Research, 1977, 82, 5063-5072.	3.3	35
182	Temporal variations in slant total plasmasphere content and their relationship to the ring current intensity and the plasmapause. Journal of Geophysical Research, 1977, 82, 5201-5207.	3.3	8
183	Local time variation of induction vectors as indicators of internal and external current systems. Geophysical Research Letters, 1976, 3, 495-498.	1.5	19
184	Observation and analysis of low-energy solar particle propagation from discrete flare events. Journal of Geophysical Research, 1976, 81, 441-449.	3.3	10
185	Magnetospheric conditions at the time of enhanced wave-particle interactions near the plasmapause. Journal of Geophysical Research, 1976, 81, 2175-2182.	3.3	24
186	ULF geomagnetic power nearL= 4 5. cross-power spectral studies of geomagnetic variations 2-27 mHz in conjugate areas. Journal of Geophysical Research, 1976, 81, 3299-3315.	3.3	14
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