S M Levin

List of Publications by Year
in descending order

168 papers	6,392 citations	76294 40 h-index	85498 71 g-index
181 all docs	181 docs citations	181 times ranked	3100 citing authors

#	Article	IF	Citations
1	A New Model of Jupiter's Magnetic Field at the Completion of Juno's Prime Mission. Journal of Geophysical Research E: Planets, 2022, 127, .	1.5	60
2	Ganymede's Ionosphere Observed by a Dualâ€Frequency Radio Occultation With Juno. Geophysical Research Letters, 2022, 49, .	1.5	9
3	Jupiter's Temperature Structure: A Reassessment of the Voyager Radio Occultation Measurements. Planetary Science Journal, 2022, 3, 159.	1.5	11
4	Lightning Generation in Moist Convective Clouds and Constraints on the Water Abundance in Jupiter. Journal of Geophysical Research E: Planets, 2021, 126, e2020JE006504.	1.5	5
5	Detection of a Bolide in Jupiter's Atmosphere With Juno UVS. Geophysical Research Letters, 2021, 48, e2020GL091797.	1.5	9
6	Detection and Characterization of Circular Expanding UVâ€Emissions Observed in Jupiter's Polar Auroral Regions. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028971.	0.8	4
7	Constraints on the Latitudinal Profile of Jupiter's Deep Jets. Geophysical Research Letters, 2021, 48, e2021GL092912.	1.5	13
8	Survey of Juno Observations in Jupiter's Plasma Disk: Density. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029446.	0.8	15
9	Meridional Variations of C₂H₂ in Jupiter's Stratosphere From Juno UVS Observations. Journal of Geophysical Research E: Planets, 2021, 126, e2021JE006928.	1.5	5
10	Jupiter's Overturning Circulation: Breaking Waves Take the Place of Solid Boundaries. Geophysical Research Letters, 2021, 48, e2021GL095756.	1.5	11
11	Evidence for Multiple Ferrelâ€Like Cells on Jupiter. Geophysical Research Letters, 2021, 48, e2021GL095651.	1.5	18
12	Jupiter's Temperate Belt/Zone Contrasts Revealed at Depth by Juno Microwave Observations. Journal of Geophysical Research E: Planets, 2021, 126, e2021JE006858.	1.5	17
13	The depth of Jupiterâ€™s Great Red Spot constrained by Juno gravity overflights. Science, 2021, 374, 964-968.	6.0	18
14	Microwave observations reveal the deep extent and structure of Jupiterâ€™s atmospheric vortices. Science, 2021, 374, 968-972.	6.0	23
15	Simultaneous UV Images and Highâ€Latitude Particle and Field Measurements During an Auroral Dawn Storm at Jupiter. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029679.	0.8	3
16	Local Time Dependence of Jupiter's Polar Auroral Emissions Observed by Juno UVS. Journal of Geophysical Research E: Planets, 2021, 126, e2021JE006954.	1.5	9
17	Method to Derive Ion Properties From Juno JADE Including Abundance Estimates for O⁺ and S²⁺. Journal of Geophysical Research: Space Physics, 2020, 125, e2018JA026169.	0.8	31
18	Proton Acceleration by Io's AlfvÃ©nic Interaction. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027314.	0.8	18

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19	Angular Dependence and Spatial Distribution of Jupiter's Centimeterâ€Wave Thermal Emission From Juno's Microwave Radiometer. Earth and Space Science, 2020, 7, e2020EA001254.	1.1	12
20	Residual Study: Testing Jupiter Atmosphere Models Against Juno MWR Observations. Earth and Space Science, 2020, 7, e2020EA001229.	1.1	3
21	Turbulence Power Spectra in Regions Surrounding Jupiter's South Polar Cyclones From Juno/JIRAM. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006096.	1.5	8
22	Highâ€Spatiotemporal Resolution Observations of Jupiter Lightningâ€Induced Radio Pulses Associated With Sferics and Thunderstorms. Geophysical Research Letters, 2020, 47, e2020GL088397.	1.5	3
23	Storms and the Depletion of Ammonia in Jupiter: II. Explaining the Juno Observations. Journal of Geophysical Research E: Planets, 2020, 125, e2020JE006404.	1.5	24
24	Small lightning flashes from shallow electrical storms on Jupiter. Nature, 2020, 584, 55-58.	13.7	27
25	Reconnectionâ€and Dipolarizationâ€Driven Auroral Dawn Storms and Injections. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027663.	0.8	27
26	Possible Transient Luminous Events Observed in Jupiter's Upper Atmosphere. Journal of Geophysical Research E: Planets, 2020, 125, e2020JE006659.	1.5	13
27	Observations and Electron Density Retrievals of Jupiter's Discrete Auroral Arcs Using the Juno Microwave Radiometer. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006293.	1.5	4
28	Jupiter's Equatorial Plumes and Hot Spots: Spectral Mapping from Gemini/TEXES and Juno/MWR. Journal of Geophysical Research E: Planets, 2020, 125, e2020JE006399.	1.5	13
29	A Survey of Smallâ€Scale Waves and Waveâ€Like Phenomena in Jupiter's Atmosphere Detected by JunoCam. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006369.	1.5	7
30	Energetic Particles and Acceleration Regions Over Jupiter's Polar Cap and Main Aurora: A Broad Overview. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027699.	0.8	47
31	Energy Flux and Characteristic Energy of Electrons Over Jupiter's Main Auroral Emission. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027693.	0.8	37
32	The water abundance in Jupiterâ€™s equatorial zone. Nature Astronomy, 2020, 4, 609-616.	4.2	96
33	Goldstone Apple Valley Radio Telescope Observations of 2012 Solar Eclipse: A Multi-wavelength Study of cm-Î» Gyroresonance Emission from Active Regions. Publications of the Astronomical Society of the Pacific, 2020, 132, 094201.	1.0	1
34	Goldstone Apple Valley Radio Telescope Monitoring Flux Density of Jupiter's Synchrotron Radiation during the Juno Mission. Publications of the Astronomical Society of the Pacific, 2020, 132, 104402.	1.0	1
35	Jovian Injections Observed at High Latitude. Geophysical Research Letters, 2019, 46, 9397-9404.	1.5	17
36	AlfvÃ©nic Fluctuations Associated With Jupiter's Auroral Emissions. Geophysical Research Letters, 2019, 46, 7157-7165.	1.5	42

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37	Jovian Highâ€Latitude Ionospheric Ions: Juno In Situ Observations. Geophysical Research Letters, 2019, 46, 8663-8670.	1.5	16
38	Investigation of Massâ€/Chargeâ€Dependent Escape of Energetic Ions Across the Magnetopauses of Earth and Jupiter. Journal of Geophysical Research: Space Physics, 2019, 124, 5539-5567.	0.8	15
39	Birkeland currents in Jupiterâ€™s magnetosphere observed by the polar-orbiting Juno spacecraft. Nature Astronomy, 2019, 3, 904-909.	4.2	40
40	Junoâ€UVS Observation of the Io Footprint During Solar Eclipse. Journal of Geophysical Research: Space Physics, 2019, 124, 5184-5199.	0.8	19
41	On the Relation Between Jovian Aurorae and the Loading/Unloading of the Magnetic Flux: Simultaneous Measurements From Juno, Hubble Space Telescope, and Hisaki. Geophysical Research Letters, 2019, 46, 11632-11641.	1.5	32
42	H3+ characteristics in the Jupiter atmosphere as observed at limb with Juno/JIRAM. Icarus, 2019, 329, 132-139.	1.1	11
43	Evidence for low density holes in Jupiterâ€™s ionosphere. Nature Communications, 2019, 10, 2751.	5.8	4
44	In-flight Characterization and Calibration of the Juno-ultraviolet Spectrograph (Juno-UVS). Astronomical Journal, 2019, 157, 90.	1.9	18
45	Contemporaneous Observations of Jovian Energetic Auroral Electrons and Ultraviolet Emissions by the Juno Spacecraft. Journal of Geophysical Research: Space Physics, 2019, 124, 8298-8317.	0.8	22
46	Comparing Electron Energetics and UV Brightness in Jupiter's Northern Polar Region During Juno Perijove 5. Geophysical Research Letters, 2019, 46, 19-27.	1.5	18
47	A suppression of differential rotation in Jupiterâ€™s deep interior. Nature, 2018, 555, 227-230.	13.7	165
48	Measurement of Jupiterâ€™s asymmetric gravity field. Nature, 2018, 555, 220-222.	13.7	177
49	Jupiterâ€™s atmospheric jet streams extend thousands of kilometres deep. Nature, 2018, 555, 223-226.	13.7	189
50	Pitch Angle Scattering of Upgoing Electron Beams in Jupiter's Polar Regions by Whistler Mode Waves. Geophysical Research Letters, 2018, 45, 1246-1252.	1.5	17
51	A New Model of Jupiter's Magnetic Field From Juno's First Nine Orbits. Geophysical Research Letters, 2018, 45, 2590-2596.	1.5	258
52	Intervals of Intense Energetic Electron Beams Over Jupiter's Poles. Journal of Geophysical Research: Space Physics, 2018, 123, 1989-1999.	0.8	35
53	Diverse Electron and Ion Acceleration Characteristics Observed Over Jupiter's Main Aurora. Geophysical Research Letters, 2018, 45, 1277-1285.	1.5	49
54	Precipitating Electron Energy Flux and Characteristic Energies in Jupiter's Main Auroral Region as Measured by Juno/JEDI. Journal of Geophysical Research: Space Physics, 2018, 123, 7554-7567.	0.8	42

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55	Bar Code Events in the Junoâ€UVS Data: Signature â^¼10ÂMeV Electron Microbursts at Jupiter. Geophysical Research Letters, 2018, 45, 12,108.	1.5	14
56	Characterization of Mesoscale Waves in the Jupiter NEB by Jupiter InfraRed Auroral Mapper on board Juno. Astronomical Journal, 2018, 156, 246.	1.9	5
57	In Situ Observations Connected to the Io Footprint Tail Aurora. Journal of Geophysical Research E: Planets, 2018, 123, 3061-3077.	1.5	48
58	Juno Constraints on the Formation of Jupiter's Magnetospheric Cushion Region. Geophysical Research Letters, 2018, 45, 9427-9434.	1.5	6
59	A complex dynamo inferred from the hemispheric dichotomy of Jupiterâ€™s magnetic field. Nature, 2018, 561, 76-78.	13.7	64
60	Whistler Mode Waves Associated With Broadband Auroral Electron Precipitation at Jupiter. Geophysical Research Letters, 2018, 45, 9372-9379.	1.5	21
61	Concurrent ultraviolet and infrared observations of the north Jovian aurora during Juno's first perijove. Icarus, 2018, 312, 145-156.	1.1	18
62	Juno observations of spot structures and a split tail in Io-induced aurorae on Jupiter. Science, 2018, 361, 774-777.	6.0	53
63	First Estimate of Wind Fields in the Jupiter Polar Regions From JIRAMâ€Juno Images. Journal of Geophysical Research E: Planets, 2018, 123, 1511-1524.	1.5	24
64	Observation of Electron Conics by Juno: Implications for Radio Generation and Acceleration Processes. Geophysical Research Letters, 2018, 45, 9408-9416.	1.5	19
65	Jupiter Lightningâ€Induced Whistler and Sferic Events With Waves and MWR During Juno Perijoves. Geophysical Research Letters, 2018, 45, 7268-7276.	1.5	11
66	Prevalent lightning sferics at 600 megahertz near Jupiterâ€™s poles. Nature, 2018, 558, 87-90.	13.7	52
67	In-flight characterization and calibration of the Juno-Ultraviolet Spectrograph (Juno-UVS). , 2018, , .		2
68	Inspiring the next generation of scientists with their observations of quasars, black holes, Jupiter, and SETI with the Goldstone Apple Valley Radio Telescope, GAVRT. Astronomy Reports, 2017, 61, 281-287.	0.2	1
69	Multipleâ€wavelength sensing of Jupiter during the Juno mission's first perijove passage. Geophysical Research Letters, 2017, 44, 4607-4614.	1.5	14
70	Ioâ€Jupiter decametric arcs observed by Juno/Waves compared to ExPRES simulations. Geophysical Research Letters, 2017, 44, 9225-9232.	1.5	22
71	Statistical study of latitudinal beaming of Jupiter's decametric radio emissions using Juno. Geophysical Research Letters, 2017, 44, 4584-4590.	1.5	7
72	The distribution of ammonia on Jupiter from a preliminary inversion of Juno microwave radiometer data. Geophysical Research Letters, 2017, 44, 5317-5325.	1.5	108

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73	Comparing Jupiter interior structure models to Juno gravity measurements and the role of a dilute core. Geophysical Research Letters, 2017, 44, 4649-4659.	1.5	265
74	Juno's first glimpse of Jupiter's complexity. Geophysical Research Letters, 2017, 44, 7663-7667.	1.5	22
75	Jupiterâ€™s interior and deep atmosphere: The initial pole-to-pole passes with the Juno spacecraft. Science, 2017, 356, 821-825.	6.0	229
76	Jupiterâ€™s magnetosphere and aurorae observed by the Juno spacecraft during its first polar orbits. Science, 2017, 356, 826-832.	6.0	109
77	Infrared observations of Jovian aurora from Juno's first orbits: Main oval and satellite footprints. Geophysical Research Letters, 2017, 44, 5308-5316.	1.5	30
78	Plasma waves in Jupiter's highâ€latitude regions: Observations from the Juno spacecraft. Geophysical Research Letters, 2017, 44, 4447-4454.	1.5	27
79	Observations of interplanetary dust by the Juno magnetometer investigation. Geophysical Research Letters, 2017, 44, 4701-4708.	1.5	9
80	Preliminary results on the composition of Jupiter's troposphere in hot spot regions from the JIRAM/Juno instrument. Geophysical Research Letters, 2017, 44, 4615-4624.	1.5	20
81	Jupiter gravity field estimated from the first two Juno orbits. Geophysical Research Letters, 2017, 44, 4694-4700.	1.5	74
82	The effect of differential rotation on Jupiter's lowâ€degree even gravity moments. Geophysical Research Letters, 2017, 44, 5960-5968.	1.5	25
83	Plasma measurements in the Jovian polar region with Juno/JADE. Geophysical Research Letters, 2017, 44, 7122-7130.	1.5	35
84	Juno/JEDI observations of 0.01 to >10ÂMeV energetic ions in the Jovian auroral regions: Anticipating a source for polar Xâ€ray emission. Geophysical Research Letters, 2017, 44, 6476-6482.	1.5	16
85	Hot flow anomaly observed at Jupiter's bow shock. Geophysical Research Letters, 2017, 44, 8107-8112.	1.5	17
86	First look at Jupiter's synchrotron emission from Juno's perspective. Geophysical Research Letters, 2017, 44, 8676-8684.	1.5	10
87	A heavy ion and proton radiation belt inside of Jupiter's rings. Geophysical Research Letters, 2017, 44, 5259-5268.	1.5	28
88	Generation of the Jovian hectometric radiation: First lessons from Juno. Geophysical Research Letters, 2017, 44, 4439-4446.	1.5	38
89	Juno observations of energetic charged particles over Jupiter's polar regions: Analysis of monodirectional and bidirectional electron beams. Geophysical Research Letters, 2017, 44, 4410-4418.	1.5	90
90	Observation and interpretation of energetic ion conics in Jupiter's polar magnetosphere. Geophysical Research Letters, 2017, 44, 4419-4425.	1.5	21

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91	Latitudinal beaming of Jovian decametric radio emissions as viewed from Juno and the NanÃ§ay Decameter Array. Geophysical Research Letters, 2017, 44, 4455-4462.	1.5	11
92	Radiation near Jupiter detected by Juno/JEDI during PJ1 and PJ3. Geophysical Research Letters, 2017, 44, 4426-4431.	1.5	10
93	Preliminary JIRAM results from Juno polar observations: 2. Analysis of the Jupiter southern H₃⁺ emissions and comparison with the north aurora. Geophysical Research Letters, 2017, 44, 4633-4640.	1.5	20
94	Preliminary JIRAM results from Juno polar observations: 1. Methodology and analysis applied to the Jovian northern polar region. Geophysical Research Letters, 2017, 44, 4625-4632.	1.5	18
95	Characterization of the white ovals on Jupiter's southern hemisphere using the first data by the Juno/JIRAM instrument. Geophysical Research Letters, 2017, 44, 4660-4668.	1.5	15
96	Observations of MeV electrons in Jupiter's innermost radiation belts and polar regions by the Juno radiation monitoring investigation: Perijoves 1 and 3. Geophysical Research Letters, 2017, 44, 4481-4488.	1.5	29
97	Morphology of the UV aurorae Jupiter during Juno's first perijove observations. Geophysical Research Letters, 2017, 44, 4463-4471.	1.5	54
98	Variability of Jupiter's IR H₃⁺ aurorae during Juno approach. Geophysical Research Letters, 2017, 44, 4513-4522.	1.5	14
99	Jovian bow shock and magnetopause encounters by the Juno spacecraft. Geophysical Research Letters, 2017, 44, 4506-4512.	1.5	30
100	Electron beams and loss cones in the auroral regions of Jupiter. Geophysical Research Letters, 2017, 44, 7131-7139.	1.5	61
101	Junoâ€UVS approach observations of Jupiter's auroras. Geophysical Research Letters, 2017, 44, 7668-7675.	1.5	25
102	Preliminary JIRAM results from Juno polar observations: 3. Evidence of diffuse methane presence in the Jupiter auroral regions. Geophysical Research Letters, 2017, 44, 4641-4648.	1.5	13
103	MWR: Microwave Radiometer for the Juno Mission to Jupiter. Space Science Reviews, 2017, 213, 139-185.	3.7	64
104	Accelerated flows at Jupiter's magnetopause: Evidence for magnetic reconnection along the dawn flank. Geophysical Research Letters, 2017, 44, 4401-4409.	1.5	36
105	A new view of Jupiter's auroral radio spectrum. Geophysical Research Letters, 2017, 44, 7114-7121.	1.5	35
106	Spatial Distribution and Properties of 0.1â€“100ÂkeV Electrons in Jupiter's Polar Auroral Region. Geophysical Research Letters, 2017, 44, 9199-9207.	1.5	34
107	Energetic particle signatures of magnetic fieldâ€aligned potentials over Jupiter's polar regions. Geophysical Research Letters, 2017, 44, 8703-8711.	1.5	41
108	Discrete and broadband electron acceleration in Jupiterâ€™s powerful aurora. Nature, 2017, 549, 66-69.	13.7	79

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109	Implications of the ammonia distribution on Jupiter from 1 to 100Âbars as measured by the Juno microwave radiometer. Geophysical Research Letters, 2017, 44, 7676-7685.	1.5	31
110	The Juno Mission. Space Science Reviews, 2017, 213, 5-37.	3.7	222
111	Directionâ€finding measurements of Jovian lowâ€frequency radio components by Juno near Perijove 1. Geophysical Research Letters, 2017, 44, 6508-6516.	1.5	14
112	Juno observations of largeâ€scale compressions of Jupiter's dawnside magnetopause. Geophysical Research Letters, 2017, 44, 7559-7568.	1.5	20
113	Magnetospheric Science Objectives of the Juno Mission. Space Science Reviews, 2017, 213, 219-287.	3.7	163
114	MWR: Microwave Radiometer for the Juno Mission to Jupiter. , 2017, , 123-169.		0
115	The Juno Mission. , 2017, , 5-37.		4
116	Towards a fast background radiation subtraction technique for the Juno mission. , 2016, , .		2
117	DSN Transient Observatory. Journal of Astronomical Instrumentation, 2016, 05, 1641012.	0.8	1
118	Multifrequency analysis of the Jovian electron-belt radiation during theCassiniflyby of Jupiter. Astronomy and Astrophysics, 2014, 568, A61.	2.1	12
119	Magnetospheric Science Objectives of the Juno Mission. , 2014, , 39-107.		3
120	VLA observations at 6.2 cm of the response of Jupiter's electron belt to the July 2009 event. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	10
121	THE ARCADE 2 INSTRUMENT. Astrophysical Journal, 2011, 730, 138.	1.6	46
122	ARCADE 2 OBSERVATIONS OF GALACTIC RADIO EMISSION. Astrophysical Journal, 2011, 734, 4.	1.6	64
123	ARCADE 2 MEASUREMENT OF THE ABSOLUTE SKY BRIGHTNESS AT 3-90 GHz. Astrophysical Journal, 2011, 734, 5.	1.6	219
124	INTERPRETATION OF THE ARCADE 2 ABSOLUTE SKY BRIGHTNESS MEASUREMENT. Astrophysical Journal, 2011, 734, 6.	1.6	100
125	Planckpre-launch status: ThePlanck-LFI programme. Astronomy and Astrophysics, 2010, 520, A3.	2.1	81
126	Planckpre-launch status: Low Frequency Instrument calibration and expected scientific performance. Astronomy and Astrophysics, 2010, 520, A5.	2.1	25

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127	Planckpre-launch status: Calibration of the Low Frequency Instrument flight model radiometers. Astronomy and Astrophysics, 2010, 520, A6.	2.1	11
128	Planckpre-launch status: Design and description of the Low Frequency Instrument. Astronomy and Astrophysics, 2010, 520, A4.	2.1	125
129	Planck-LFI: design and performance of the 4 Kelvin Reference Load Unit. Journal of Instrumentation, 2009, 4, T12006-T12006.	0.5	30
130	Investigating the origins of the Jovian decimetric emission's variability. Journal of Geophysical Research, 2008, 113, .	3.3	22
131	The Cosmic Microwave Background Temperature and Galactic Emission at 8.0 and 8.3 GHz. Astrophysical Journal, 2006, 653, 835-842.	1.6	8
132	ARCADE: Absolute radiometer for cosmology, astrophysics, and diffuse emission. New Astronomy Reviews, 2006, 50, 925-931.	5.2	22
133	Microwave remote sensing of Jupiter's atmosphere from an orbiting spacecraft. Icarus, 2005, 173, 447-453.	1.1	52
134	A revised model of Jupiter's inner electron belts: Updating the Divine radiation model. Geophysical Research Letters, 2005, 32, n/a-n/a.	1.5	52
135	Design and calibration of a cryogenic blackbody calibrator at centimeter wavelengths. Review of Scientific Instruments, 2004, 75, 5079-5083.	0.6	13
136	Application of Monte Carlo Algorithms to the Bayesian Analysis of the Cosmic Microwave Background. Astrophysical Journal, 2004, 609, 1-14.	1.6	116
137	Analysis of the radiometerâ€”reference load system on board the Planck/LFI instrument. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 520, 396-401.	0.7	6
138	Bayesian Power Spectrum Analysis of the First-Year Wilkinson Microwave Anisotropy Probe Data. Astrophysical Journal, 2004, 617, L99-L102.	1.6	65
139	An Instrument to Measure the Temperature of the Cosmic Microwave Background Radiation at Centimeter Wavelengths. Astrophysical Journal, Supplement Series, 2004, 154, 493-499.	3.0	22
140	Power Spectrum Estimation from Highâ€Resolution Maps by Gibbs Sampling. Astrophysical Journal, Supplement Series, 2004, 155, 227-241.	3.0	170
141	The Temperature of the Cosmic Microwave Background at 10 GHz. Astrophysical Journal, 2004, 612, 86-95.	1.6	34
142	Atmospheric loss of energetic electrons in the Jovian synchrotron zone. Planetary and Space Science, 2002, 50, 277-285.	0.9	6
143	Ultra-relativistic electrons in Jupiter's radiation belts. Nature, 2002, 415, 987-991.	13.7	109
144	Divine-Garrett Model and Jovian synchrotron emission. Geophysical Research Letters, 2001, 28, 907-910.	1.5	15

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145	Modeling Jupiter's synchrotron radiation. Geophysical Research Letters, 2001, 28, 903-906.	1.5	26
146	Measuring the Magnetic Field Strength in L1498 with Zeemanâ€splitting Observations of CCS. Astrophysical Journal, 2001, 555, 850-854.	1.6	27
147	Synchrotron emission images from three-dimensional modeling of the Jovian electron radiation belts. Advances in Space Research, 2001, 28, 915-918.	1.2	14
148	A Determination of the Spectral Index of Galactic Synchrotron Emission in the 1â€“10 GHz Range. Astrophysical Journal, 1998, 505, 473-483.	1.6	100
149	Lowâ€Mass Clumps in TMCâ€1: Scaling Laws in the Smallâ€Scale Regime. Astrophysical Journal, 1998, 497, 842-849.	1.6	54
150	A determination of the source of Jovian hectometric radiation via occultation by Ganymede. Geophysical Research Letters, 1997, 24, 1171-1174.	1.5	17
151	Ground-based Gamma-Ray Burst Follow-up Efforts: Results of the First Two Years of the BATSE/COMPTEL/NMSU Rapid Response Network. Astrophysical Journal, Supplement Series, 1996, 103, 173.	3.0	7
152	Measurements of the atmospheric emission and variations in the 1â€“90 GHz range. Planetary and Space Science, 1995, 43, 1467-1472.	0.9	1
153	Effects of Atmospheric Emission on Ground-based Microwave Background Measurements. Astrophysical Journal, 1995, 448, 8.	1.6	9
154	Study of Structure and Small-Scale Fragmentation in TMC-1. Astrophysical Journal, 1995, 453, 293.	1.6	86
155	Absolute measurement of the cosmic microwave background at 2 GHz. Astrophysical Journal, 1994, 424, 517.	1.6	38
156	Low-Frequency Measurements of the Cosmic Microwave Background Spectruma. Annals of the New York Academy of Sciences, 1993, 688, 792-794.	1.8	0
157	Measurements of the cosmic microwave background temperature at 1.47 GHz. Astrophysical Journal, 1993, 409, 1.	1.6	23
158	A liquidâ€heliumâ€cooled absolute reference cold load for longâ€wavelength radiometric calibration. Review of Scientific Instruments, 1992, 63, 4377-4389.	0.6	7
159	A measurement of the cosmic microwave background temperature at 7.5 GHz. Astrophysical Journal, 1992, 396, 3.	1.6	19
160	The temperature of the cosmic microwave background radiation at 3.8 GHz - Results of a measurement from the South Pole site. Astrophysical Journal, 1991, 381, 341.	1.6	18
161	A measurement of the temperature of the cosmic microwave background at a frequency of 7.5 GHz. Astrophysical Journal, 1990, 355, 102.	1.6	15
162	The temperature of the cosmic background radiation - Results from the 1987 and 1988 measurements at 3.8 GHz. Astrophysical Journal, 1990, 359, 219.	1.6	12

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163	Measurements of the cosmic microwave background radiation temperature at 90 GHz. Astrophysical Journal, 1989, 339, 632.	1.6	9
164	The temperature of the cosmic microwave background radiation at a frequency of 10 GHz. Astrophysical Journal, 1988, 325, 1.	1.6	16
165	Measurement of the intensity of the cosmic background radiation at 3.7 GHz. Astrophysical Journal, 1988, 329, 556.	1.6	13
166	A large L-band rectangular corrugated horn. IEEE Transactions on Antennas and Propagation, 1987, 35, 1310-1313.	0.8	9
167	Atmospheric emission variation measurements at 3, 0.9, and 0.33 cm wavelength. Radio Science, 1987, 22, 521-528.	0.8	6
168	Long-wavelength measurements of the cosmic microwave background radiation spectrum. Astrophysical Journal, 1987, 317, L45.	1.6	32