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	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
2	A New Model of Jupiter's Magnetic Field From Juno's First Nine Orbits. Geophysical Research Letters, 2018, 45, 2590-2596.	1.5	258
3	Jupiterâ€™s interior and deep atmosphere: The initial pole-to-pole passes with the Juno spacecraft. Science, 2017, 356, 821-825.	6.0	229
4	The Juno Mission. Space Science Reviews, 2017, 213, 5-37.	3.7	222
5	ARCADE 2 MEASUREMENT OF THE ABSOLUTE SKY BRIGHTNESS AT 3-90 GHz. Astrophysical Journal, 2011, 734, 5.	1.6	219
6	Jupiterâ€™s atmospheric jet streams extend thousands of kilometres deep. Nature, 2018, 555, 223-226.	13.7	189
7	Measurement of Jupiterâ€™s asymmetric gravity field. Nature, 2018, 555, 220-222.	13.7	177
8	Power Spectrum Estimation from Highâ€Resolution Maps by Gibbs Sampling. Astrophysical Journal, Supplement Series, 2004, 155, 227-241.	3.0	170
9	A suppression of differential rotation in Jupiterâ€™s deep interior. Nature, 2018, 555, 227-230.	13.7	165
10	Magnetospheric Science Objectives of the Juno Mission. Space Science Reviews, 2017, 213, 219-287.	3.7	163
11	Planck pre-launch status: Design and description of the Low Frequency Instrument. Astronomy and Astrophysics, 2010, 520, A4.	2.1	125
12	Application of Monte Carlo Algorithms to the Bayesian Analysis of the Cosmic Microwave Background. Astrophysical Journal, 2004, 609, 1-14.	1.6	116
13	Ultra-relativistic electrons in Jupiter's radiation belts. Nature, 2002, 415, 987-991.	13.7	109
14	Jupiterâ€™s magnetosphere and aurorae observed by the Juno spacecraft during its first polar orbits. Science, 2017, 356, 826-832.	6.0	109
15	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
16	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
17	INTERPRETATION OF THE ARCADE 2 ABSOLUTE SKY BRIGHTNESS MEASUREMENT. Astrophysical Journal, 2011, 734, 6.	1.6	100
18	The water abundance in Jupiterâ€™s equatorial zone. Nature Astronomy, 2020, 4, 609-616.	4.2	96

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19	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
20	Study of Structure and Small-Scale Fragmentation in TMC-1. Astrophysical Journal, 1995, 453, 293.	1.6	86
21	Planckpre-launch status: ThePlanck-LFI programme. Astronomy and Astrophysics, 2010, 520, A3.	2.1	81
22	Discrete and broadband electron acceleration in Jupiterâ€™s powerful aurora. Nature, 2017, 549, 66-69.	13.7	79
23	Jupiter gravity field estimated from the first two Juno orbits. Geophysical Research Letters, 2017, 44, 4694-4700.	1.5	74
24	Bayesian Power Spectrum Analysis of the First-Year Wilkinson Microwave Anisotropy Probe Data. Astrophysical Journal, 2004, 617, L99-L102.	1.6	65
25	ARCADE 2 OBSERVATIONS OF GALACTIC RADIO EMISSION. Astrophysical Journal, 2011, 734, 4.	1.6	64
26	MWR: Microwave Radiometer for the Juno Mission to Jupiter. Space Science Reviews, 2017, 213, 139-185.	3.7	64
27	A complex dynamo inferred from the hemispheric dichotomy of Jupiterâ€™s magnetic field. Nature, 2018, 561, 76-78.	13.7	64
28	Electron beams and loss cones in the auroral regions of Jupiter. Geophysical Research Letters, 2017, 44, 7131-7139.	1.5	61
29	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
30	Morphology of the UV aurorae Jupiter during Juno's first perijove observations. Geophysical Research Letters, 2017, 44, 4463-4471.	1.5	54
31	Lowâ€Mass Clumps in TMCâ€1: Scaling Laws in the Smallâ€Scale Regime. Astrophysical Journal, 1998, 497, 842-849.	1.6	54
32	Juno observations of spot structures and a split tail in Io-induced aurorae on Jupiter. Science, 2018, 361, 774-777.	6.0	53
33	Microwave remote sensing of Jupiter's atmosphere from an orbiting spacecraft. Icarus, 2005, 173, 447-453.	1.1	52
34	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
35	Prevalent lightning sferics at 600 megahertz near Jupiterâ€™s poles. Nature, 2018, 558, 87-90.	13.7	52
36	Diverse Electron and Ion Acceleration Characteristics Observed Over Jupiter's Main Aurora. Geophysical Research Letters, 2018, 45, 1277-1285.	1.5	49

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37	In Situ Observations Connected to the Io Footprint Tail Aurora. Journal of Geophysical Research E: Planets, 2018, 123, 3061-3077.	1.5	48
38	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
39	THE ARCADE 2 INSTRUMENT. Astrophysical Journal, 2011, 730, 138.	1.6	46
40	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
41	AlfvÃ©nic Fluctuations Associated With Jupiter's Auroral Emissions. Geophysical Research Letters, 2019, 46, 7157-7165.	1.5	42
42	Energetic particle signatures of magnetic fieldâ€aligned potentials over Jupiter's polar regions. Geophysical Research Letters, 2017, 44, 8703-8711.	1.5	41
43	Birkeland currents in Jupiterâ€™s magnetosphere observed by the polar-orbiting Juno spacecraft. Nature Astronomy, 2019, 3, 904-909.	4.2	40
44	Generation of the Jovian hectometric radiation: First lessons from Juno. Geophysical Research Letters, 2017, 44, 4439-4446.	1.5	38
45	Absolute measurement of the cosmic microwave background at 2 GHz. Astrophysical Journal, 1994, 424, 517.	1.6	38
46	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
47	Accelerated flows at Jupiter's magnetopause: Evidence for magnetic reconnection along the dawn flank. Geophysical Research Letters, 2017, 44, 4401-4409.	1.5	36
48	Plasma measurements in the Jovian polar region with Juno/JADE. Geophysical Research Letters, 2017, 44, 7122-7130.	1.5	35
49	A new view of Jupiter's auroral radio spectrum. Geophysical Research Letters, 2017, 44, 7114-7121.	1.5	35
50	Intervals of Intense Energetic Electron Beams Over Jupiter's Poles. Journal of Geophysical Research: Space Physics, 2018, 123, 1989-1999.	0.8	35
51	The Temperature of the Cosmic Microwave Background at 10 GHz. Astrophysical Journal, 2004, 612, 86-95.	1.6	34
52	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
53	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
54	Long-wavelength measurements of the cosmic microwave background radiation spectrum. Astrophysical Journal, 1987, 317, L45.	1.6	32

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55	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
56	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
57	Planck-LFI: design and performance of the 4 Kelvin Reference Load Unit. Journal of Instrumentation, 2009, 4, T12006-T12006.	0.5	30
58	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
59	Jovian bow shock and magnetopause encounters by the Juno spacecraft. Geophysical Research Letters, 2017, 44, 4506-4512.	1.5	30
60	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
61	A heavy ion and proton radiation belt inside of Jupiter's rings. Geophysical Research Letters, 2017, 44, 5259-5268.	1.5	28
62	Measuring the Magnetic Field Strength in L1498 with Zeemanâ€splitting Observations of CCS. Astrophysical Journal, 2001, 555, 850-854.	1.6	27
63	Plasma waves in Jupiter's highâ€latitude regions: Observations from the Juno spacecraft. Geophysical Research Letters, 2017, 44, 4447-4454.	1.5	27
64	Small lightning flashes from shallow electrical storms on Jupiter. Nature, 2020, 584, 55-58.	13.7	27
65	Reconnectionâ€and Dipolarizationâ€Driven Auroral Dawn Storms and Injections. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027663.	0.8	27
66	Modeling Jupiter's synchrotron radiation. Geophysical Research Letters, 2001, 28, 903-906.	1.5	26
67	Planck pre-launch status: Low Frequency Instrument calibration and expected scientific performance. Astronomy and Astrophysics, 2010, 520, A5.	2.1	25
68	The effect of differential rotation on Jupiter's lowâ€degree even gravity moments. Geophysical Research Letters, 2017, 44, 5960-5968.	1.5	25
69	Junoâ€UVS approach observations of Jupiter's auroras. Geophysical Research Letters, 2017, 44, 7668-7675.	1.5	25
70	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
71	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
72	Measurements of the cosmic microwave background temperature at 1.47 GHz. Astrophysical Journal, 1993, 409, 1.	1.6	23

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73	Microwave observations reveal the deep extent and structure of Jupiterâ€™s atmospheric vortices. Science, 2021, 374, 968-972.	6.0	23
74	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
75	ARCADE: Absolute radiometer for cosmology, astrophysics, and diffuse emission. New Astronomy Reviews, 2006, 50, 925-931.	5.2	22
76	Investigating the origins of the Jovian decimetric emission's variability. Journal of Geophysical Research, 2008, 113, .	3.3	22
77	Ioâ€Jupiter decametric arcs observed by Juno/Waves compared to ExPRES simulations. Geophysical Research Letters, 2017, 44, 9225-9232.	1.5	22
78	Juno's first glimpse of Jupiter's complexity. Geophysical Research Letters, 2017, 44, 7663-7667.	1.5	22
79	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
80	Observation and interpretation of energetic ion conics in Jupiter's polar magnetosphere. Geophysical Research Letters, 2017, 44, 4419-4425.	1.5	21
81	Whistler Mode Waves Associated With Broadband Auroral Electron Precipitation at Jupiter. Geophysical Research Letters, 2018, 45, 9372-9379.	1.5	21
82	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
83	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
84	Juno observations of largeâ€scale compressions of Jupiter's dawnside magnetopause. Geophysical Research Letters, 2017, 44, 7559-7568.	1.5	20
85	Observation of Electron Conics by Juno: Implications for Radio Generation and Acceleration Processes. Geophysical Research Letters, 2018, 45, 9408-9416.	1.5	19
86	Junoâ€UVS Observation of the Io Footprint During Solar Eclipse. Journal of Geophysical Research: Space Physics, 2019, 124, 5184-5199.	0.8	19
87	A measurement of the cosmic microwave background temperature at 7.5 GHz. Astrophysical Journal, 1992, 396, 3.	1.6	19
88	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
89	Concurrent ultraviolet and infrared observations of the north Jovian aurora during Juno's first perijove. Icarus, 2018, 312, 145-156.	1.1	18
90	In-flight Characterization and Calibration of the Juno-ultraviolet Spectrograph (Juno-UVS). Astronomical Journal, 2019, 157, 90.	1.9	18

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91	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
92	Proton Acceleration by Io's AlfvÃ©nic Interaction. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027314.	0.8	18
93	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
94	Evidence for Multiple Ferrelâ€Like Cells on Jupiter. Geophysical Research Letters, 2021, 48, e2021GL095651.	1.5	18
95	The depth of Jupiterâ€™s Great Red Spot constrained by Juno gravity overflights. Science, 2021, 374, 964-968.	6.0	18
96	A determination of the source of Jovian hectometric radiation via occultation by Ganymede. Geophysical Research Letters, 1997, 24, 1171-1174.	1.5	17
97	Hot flow anomaly observed at Jupiter's bow shock. Geophysical Research Letters, 2017, 44, 8107-8112.	1.5	17
98	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
99	Jovian Injections Observed at High Latitude. Geophysical Research Letters, 2019, 46, 9397-9404.	1.5	17
100	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
101	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
102	Jovian Highâ€Latitude Ionospheric Ions: Juno In Situ Observations. Geophysical Research Letters, 2019, 46, 8663-8670.	1.5	16
103	The temperature of the cosmic microwave background radiation at a frequency of 10 GHz. Astrophysical Journal, 1988, 325, 1.	1.6	16
104	Divine-Garrett Model and Jovian synchrotron emission. Geophysical Research Letters, 2001, 28, 907-910.	1.5	15
105	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
106	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
107	Survey of Juno Observations in Jupiter's Plasma Disk: Density. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029446.	0.8	15
108	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

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109	Synchrotron emission images from three-dimensional modeling of the Jovian electron radiation belts. Advances in Space Research, 2001, 28, 915-918.	1.2	14
110	Multipleâ€wavelength sensing of Jupiter during the Juno mission's first perijove passage. Geophysical Research Letters, 2017, 44, 4607-4614.	1.5	14
111	Variability of Jupiter's IR H₃⁺ aurorae during Juno approach. Geophysical Research Letters, 2017, 44, 4513-4522.	1.5	14
112	Directionâ€finding measurements of Jovian lowâ€frequency radio components by Juno near Perijove 1. Geophysical Research Letters, 2017, 44, 6508-6516.	1.5	14
113	Bar Code Events in the Junoâ€UVS Data: Signature â¼10ÂMeV Electron Microbursts at Jupiter. Geophysical Research Letters, 2018, 45, 12,108.	1.5	14
114	Design and calibration of a cryogenic blackbody calibrator at centimeter wavelengths. Review of Scientific Instruments, 2004, 75, 5079-5083.	0.6	13
115	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
116	Possible Transient Luminous Events Observed in Jupiter's Upper Atmosphere. Journal of Geophysical Research E: Planets, 2020, 125, e2020JE006659.	1.5	13
117	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
118	Constraints on the Latitudinal Profile of Jupiter's Deep Jets. Geophysical Research Letters, 2021, 48, e2021GL092912.	1.5	13
119	Measurement of the intensity of the cosmic background radiation at 3.7 GHz. Astrophysical Journal, 1988, 329, 556.	1.6	13
120	Multifrequency analysis of the Jovian electron-belt radiation during theCassiniflyby of Jupiter. Astronomy and Astrophysics, 2014, 568, A61.	2.1	12
121	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
122	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
123	Planckpre-launch status: Calibration of the Low Frequency Instrument flight model radiometers. Astronomy and Astrophysics, 2010, 520, A6.	2.1	11
124	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
125	Jupiter Lightningâ€Induced Whistler and Sferic Events With Waves and MWR During Juno Perijoves. Geophysical Research Letters, 2018, 45, 7268-7276.	1.5	11
126	H3+ characteristics in the Jupiter atmosphere as observed at limb with Juno/JIRAM. Icarus, 2019, 329, 132-139.	1.1	11

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127	Jupiter's Overturning Circulation: Breaking Waves Take the Place of Solid Boundaries. Geophysical Research Letters, 2021, 48, e2021GL095756.	1.5	11
128	Jupiter's Temperature Structure: A Reassessment of the Voyager Radio Occultation Measurements. Planetary Science Journal, 2022, 3, 159.	1.5	11
129	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
130	First look at Jupiter's synchrotron emission from Juno's perspective. Geophysical Research Letters, 2017, 44, 8676-8684.	1.5	10
131	Radiation near Jupiter detected by Juno/JEDI during PJ1 and PJ3. Geophysical Research Letters, 2017, 44, 4426-4431.	1.5	10
132	A large L-band rectangular corrugated horn. IEEE Transactions on Antennas and Propagation, 1987, 35, 1310-1313.	0.8	9
133	Observations of interplanetary dust by the Juno magnetometer investigation. Geophysical Research Letters, 2017, 44, 4701-4708.	1.5	9
134	Detection of a Bolide in Jupiter's Atmosphere With Juno UVS. Geophysical Research Letters, 2021, 48, e2020GL091797.	1.5	9
135	Measurements of the cosmic microwave background radiation temperature at 90 GHz. Astrophysical Journal, 1989, 339, 632.	1.6	9
136	Effects of Atmospheric Emission on Ground-based Microwave Background Measurements. Astrophysical Journal, 1995, 448, 8.	1.6	9
137	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
138	Ganymede's Ionosphere Observed by a Dualâ€Frequency Radio Occultation With Juno. Geophysical Research Letters, 2022, 49, .	1.5	9
139	The Cosmic Microwave Background Temperature and Galactic Emission at 8.0 and 8.3 GHz. Astrophysical Journal, 2006, 653, 835-842.	1.6	8
140	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
141	A liquidâ€heliumâ€cooled absolute reference cold load for longâ€wavelength radiometric calibration. Review of Scientific Instruments, 1992, 63, 4377-4389.	0.6	7
142	Statistical study of latitudinal beaming of Jupiter's decametric radio emissions using Juno. Geophysical Research Letters, 2017, 44, 4584-4590.	1.5	7
143	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
144	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

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145	Atmospheric emission variation measurements at 3, 0.9, and 0.33 cm wavelength. Radio Science, 1987, 22, 521-528.	0.8	6
146	Atmospheric loss of energetic electrons in the Jovian synchrotron zone. Planetary and Space Science, 2002, 50, 277-285.	0.9	6
147	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
148	Juno Constraints on the Formation of Jupiter's Magnetospheric Cushion Region. Geophysical Research Letters, 2018, 45, 9427-9434.	1.5	6
149	Characterization of Mesoscale Waves in the Jupiter NEB by Jupiter InfraRed Auroral Mapper on board Juno. Astronomical Journal, 2018, 156, 246.	1.9	5
150	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
151	Meridional Variations of C₂H₂ in Jupiter's Stratosphere From Juno UVS Observations. Journal of Geophysical Research E: Planets, 2021, 126, e2021JE006928.	1.5	5
152	Evidence for low density holes in Jupiterâ€™s ionosphere. Nature Communications, 2019, 10, 2751.	5.8	4
153	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
154	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
155	The Juno Mission. , 2017, , 5-37.		4
156	Residual Study: Testing Jupiter Atmosphere Models Against Juno MWR Observations. Earth and Space Science, 2020, 7, e2020EA001229.	1.1	3
157	Highâ€Spatiotemporal Resolution Observations of Jupiter Lightningâ€Induced Radio Pulses Associated With Sferics and Thunderstorms. Geophysical Research Letters, 2020, 47, e2020GL088397.	1.5	3
158	Magnetospheric Science Objectives of the Juno Mission. , 2014, , 39-107.		3
159	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
160	Towards a fast background radiation subtraction technique for the Juno mission. , 2016, , .		2
161	In-flight characterization and calibration of the Juno-Ultraviolet Spectrograph (Juno-UVS). , 2018, , .		2
162	Measurements of the atmospheric emission and variations in the 1â€“90 GHz range. Planetary and Space Science, 1995, 43, 1467-1472.	0.9	1

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163	DSN Transient Observatory. Journal of Astronomical Instrumentation, 2016, 05, 1641012.	0.8	1
164	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
165	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
166	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
167	Low-Frequency Measurements of the Cosmic Microwave Background Spectruma. Annals of the New York Academy of Sciences, 1993, 688, 792-794.	1.8	0
168	MWR: Microwave Radiometer for the Juno Mission to Jupiter. , 2017, , 123-169.		0