

Amy Simon-Miller

List of Publications by Year in descending order

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Version: 2024-02-01

180
papers

7,833
citations

44069

48
h-index

60623

81
g-index

200
all docs

200
docs citations

200
times ranked

3410
citing authors

#	ARTICLE	IF	CITATIONS
1	In Situ exploration of the giant planets. <i>Experimental Astronomy</i> , 2022, 54, 975-1013.	3.7	5
2	Ice giant system exploration within ESA's Voyage 2050. <i>Experimental Astronomy</i> , 2022, 54, 1015-1025.	3.7	4
3	Analysis of the long-term drift rates and oscillations of Jupiter's largest vortices. <i>Icarus</i> , 2022, 372, 114732.	2.5	2
4	Cross-Instrument Comparison of MapCam and OVIRS on OSIRIS-REx. <i>Space Science Reviews</i> , 2022, 218, 5.	8.1	2
5	Giant Planet Atmospheres: Dynamics and Variability from UV to Near-IR Hubble and Adaptive Optics Imaging. <i>Remote Sensing</i> , 2022, 14, 1518.	4.0	5
6	VIPRE: A Tool Aiding the Design for Entry Probe Missions. <i>Planetary Science Journal</i> , 2022, 3, 98.	3.6	0
7	GRO 95577 (CR1) as a mineralogical analogue for asteroid (101955) Bennu. <i>Icarus</i> , 2022, 383, 115054.	2.5	6
8	Evolution of a dark vortex on Neptune with transient secondary features. <i>Icarus</i> , 2022, 387, 115123.	2.5	3
9	Spacecraft sample collection and subsurface excavation of asteroid (101955) Bennu. <i>Science</i> , 2022, 377, 285-291.	12.6	39
10	Photometry of asteroid (101955) Bennu with OVIRS on OSIRIS-REx. <i>Icarus</i> , 2021, 358, 114183.	2.5	25
11	Spectral analysis of craters on (101955) Bennu. <i>Icarus</i> , 2021, 357, 114252.	2.5	6
12	Exogenic basalt on asteroid (101955) Bennu. <i>Nature Astronomy</i> , 2021, 5, 31-38.	10.1	57
13	Fluctuations in Jupiter's equatorial stratospheric oscillation. <i>Nature Astronomy</i> , 2021, 5, 71-77.	10.1	17
14	Midsummer Atmospheric Changes in Saturn's Northern Hemisphere from the Hubble OPAL Program. <i>Planetary Science Journal</i> , 2021, 2, 47.	3.6	4
15	Modeling optical roughness and first-order scattering processes from OSIRIS-REx color images of the rough surface of asteroid (101955) Bennu. <i>Icarus</i> , 2021, 357, 114106.	2.5	8
16	The Role of Hydrated Minerals and Space Weathering Products in the Bluing of Carbonaceous Asteroids. <i>Planetary Science Journal</i> , 2021, 2, 68.	3.6	14
17	Interaction of Saturn's Hexagon With Convective Storms. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092461.	4.0	1
18	In search of Bennu analogs: Hapke modeling of meteorite mixtures. <i>Astronomy and Astrophysics</i> , 2021, 648, A88.	5.1	9

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19	Derivation of the final OSIRIS-REx OVIRS in-flight radiometric calibration. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2021, 7, .	1.8	5
20	Evidence for limited compositional and particle size variation on asteroid (101955) Bennu from thermal infrared spectroscopy. <i>Astronomy and Astrophysics</i> , 2021, 650, A120.	5.1	30
21	Spectrophotometric Modeling and Mapping of (101955) Bennu. <i>Planetary Science Journal</i> , 2021, 2, 117.	3.6	9
22	Spectral effects of varying texture and composition in two-component π -simulations: Insights for asteroid (101955) Bennu. <i>Meteoritics and Planetary Science</i> , 2021, 56, 1173-1190.	1.6	5
23	Hydrogen abundance estimation and distribution on (101955) Bennu. <i>Icarus</i> , 2021, 363, 114427.	2.5	19
24	Lucy Mission to the Trojan Asteroids: Instrumentation and Encounter Concept of Operations. <i>Planetary Science Journal</i> , 2021, 2, 172.	3.6	21
25	Widely distributed exogenic materials of varying compositions and morphologies on asteroid (101955) Bennu. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 2053-2070.	4.4	9
26	Composition of organics on asteroid (101955) Bennu. <i>Astronomy and Astrophysics</i> , 2021, 653, L1.	5.1	10
27	Neptune Odyssey: A Flagship Concept for the Exploration of the Neptune-Triton System. <i>Planetary Science Journal</i> , 2021, 2, 184.	3.6	11
28	Evolution of the Horizontal Winds in Jupiter's Great Red Spot From One Jovian Year of HST/WFC3 Maps. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093982.	4.0	10
29	Visible-near-infrared observations of organics and carbonates on (101955) Bennu: Classification method and search for surface context. <i>Icarus</i> , 2021, 368, 114579.	2.5	3
30	Saturn atmospheric dynamics one year after Cassini: Long-lived features and time variations in the drift of the Hexagon. <i>Icarus</i> , 2020, 336, 113429.	2.5	13
31	A complex storm system in Saturn's north polar atmosphere in 2018. <i>Nature Astronomy</i> , 2020, 4, 180-187.	10.1	13
32	Widespread carbon-bearing materials on near-Earth asteroid (101955) Bennu. <i>Science</i> , 2020, 370, .	12.6	56
33	Bright carbonate veins on asteroid (101955) Bennu: Implications for aqueous alteration history. <i>Science</i> , 2020, 370, .	12.6	71
34	Variations in color and reflectance on the surface of asteroid (101955) Bennu. <i>Science</i> , 2020, 370, .	12.6	84
35	Asteroid (101955) Bennu's weak boulders and thermally anomalous equator. <i>Science Advances</i> , 2020, 6, .	10.3	83
36	Future Missions to the Giant Planets that Can Advance Atmospheric Science Objectives. <i>Space Science Reviews</i> , 2020, 216, 1.	8.1	3

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37	A Survey of Small-Scale Waves and Wave-Like Phenomena in Jupiter's Atmosphere Detected by JunoCam. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2019JE006369.	3.6	7
38	High-resolution UV/Optical/IR Imaging of Jupiter in 2016–2019. <i>Astrophysical Journal, Supplement Series</i> , 2020, 247, 58.	7.7	25
39	Small Next-Generation Atmospheric Probe (SNAP) Concept to Enable Future Multi-Probe Missions: A Case Study for Uranus. <i>Space Science Reviews</i> , 2020, 216, 1.	8.1	7
40	OSIRIS-REx spectral analysis of (101955) Bennu by multivariate statistics. <i>Astronomy and Astrophysics</i> , 2020, 637, L4.	5.1	23
41	Ice Giant Systems: The scientific potential of orbital missions to Uranus and Neptune. <i>Planetary and Space Science</i> , 2020, 191, 105030.	1.7	39
42	Advanced Net Flux Radiometer for the Ice Giants. <i>Space Science Reviews</i> , 2020, 216, 1.	8.1	5
43	A Review of the in Situ Probe Designs from Recent Ice Giant Mission Concept Studies. <i>Space Science Reviews</i> , 2020, 216, 1.	8.1	13
44	Visible–near infrared spectral indices for mapping mineralogy and chemistry with OSIRIS-REx. <i>Meteoritics and Planetary Science</i> , 2020, 55, 744-765.	1.6	7
45	Phase reddening on asteroid Bennu from visible and near-infrared spectroscopy. <i>Astronomy and Astrophysics</i> , 2020, 644, A142.	5.1	22
46	Weak spectral features on (101995) Bennu from the OSIRIS-REx Visible and InfraRed Spectrometer. <i>Astronomy and Astrophysics</i> , 2020, 644, A148.	5.1	22
47	Ice giant system exploration in the 2020s: an introduction. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20190473.	3.4	13
48	The Effects of Waves on the Meridional Thermal Structure of Jupiter's Stratosphere. <i>Planetary Science Journal</i> , 2020, 1, 63.	3.6	5
49	OSIRIS-REx Visible and Near-Infrared Observations of the Moon. <i>Geophysical Research Letters</i> , 2019, 46, 6322-6326.	4.0	8
50	Uranus and Neptune missions: A study in advance of the next Planetary Science Decadal Survey. <i>Planetary and Space Science</i> , 2019, 177, 104680.	1.7	50
51	Constraints on Uranus's haze structure, formation and transport. <i>Icarus</i> , 2019, 333, 1-11.	2.5	16
52	The operational environment and rotational acceleration of asteroid (101955) Bennu from OSIRIS-REx observations. <i>Nature Communications</i> , 2019, 10, 1291.	12.8	99
53	The dynamic geophysical environment of (101955) Bennu based on OSIRIS-REx measurements. <i>Nature Astronomy</i> , 2019, 3, 352-361.	10.1	132
54	Evidence for widespread hydrated minerals on asteroid (101955) Bennu. <i>Nature Astronomy</i> , 2019, 3, 332-340.	10.1	251

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55	Properties of rubble-pile asteroid (101955) Bennu from OSIRIS-REx imaging and thermal analysis. <i>Nature Astronomy</i> , 2019, 3, 341-351.	10.1	188
56	Craters, boulders and regolith of (101955) Bennu indicative of an old and dynamic surface. <i>Nature Geoscience</i> , 2019, 12, 242-246.	12.9	161
57	Shape of (101955) Bennu indicative of a rubble pile with internal stiffness. <i>Nature Geoscience</i> , 2019, 12, 247-252.	12.9	179
58	The unexpected surface of asteroid (101955) Bennu. <i>Nature</i> , 2019, 568, 55-60.	27.8	364
59	Formation of a New Great Dark Spot on Neptune in 2018. <i>Geophysical Research Letters</i> , 2019, 46, 3108-3113.	4.0	18
60	Lifetimes and Occurrence Rates of Dark Vortices on Neptune from 25 Years of Hubble Space Telescope Images. <i>Astronomical Journal</i> , 2019, 157, 152.	4.7	12
61	Jupiter's Turbulent Power Spectra From Hubble Space Telescope. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 1204-1225.	3.6	4
62	Landsat 9 Thermal Infrared Sensor 2 Spectral Response Test: Updates And Perspective. , 2019, , .		2
63	A New Dark Vortex on Neptune. <i>Astronomical Journal</i> , 2018, 155, 117.	4.7	22
64	A planetary-scale disturbance in a long living three vortex coupled system in Saturn's atmosphere. <i>Icarus</i> , 2018, 302, 499-513.	2.5	14
65	The OSIRIS-REx Visible and InfraRed Spectrometer (OVIRS): Spectral Maps of the Asteroid Bennu. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	84
66	Historical and Contemporary Trends in the Size, Drift, and Color of Jupiter's Great Red Spot. <i>Astronomical Journal</i> , 2018, 155, 151.	4.7	28
67	Scientific rationale for Uranus and Neptune in situ explorations. <i>Planetary and Space Science</i> , 2018, 155, 12-40.	1.7	69
68	Landsat 9 Thermal Infrared Sensor 2 Architecture and Design. , 2018, , .		12
69	Characterization of Mesoscale Waves in the Jupiter NEB by Jupiter InfraRed Auroral Mapper on board Juno. <i>Astronomical Journal</i> , 2018, 156, 246.	4.7	5
70	Landsat 9 Thermal Infrared Sensor 2 Characterization Plan Overview. , 2018, , .		17
71	Uranus's Northern Polar Cap in 2014. <i>Geophysical Research Letters</i> , 2018, 45, 5329-5335.	4.0	10
72	Less absorbed solar energy and more internal heat for Jupiter. <i>Nature Communications</i> , 2018, 9, 3709.	12.8	50

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73	A New, Long-lived, Jupiter Mesoscale Wave Observed at Visible Wavelengths. <i>Astronomical Journal</i> , 2018, 156, 79.	4.7	14
74	Jupiter's Mesoscale Waves Observed at 5 μ m by Ground-based Observations and Juno JIRAM. <i>Astronomical Journal</i> , 2018, 156, 67.	4.7	17
75	In-Flight Calibration and Performance of the OSIRIS-REx Visible and IR Spectrometer (OVIRS). <i>Remote Sensing</i> , 2018, 10, 1486.	4.0	23
76	SPRITE: A Saturn probe new frontiers mission. , 2018, , .		4
77	Longitudinal variability in Jupiter's zonal winds derived from multi-wavelength HST observations. <i>Planetary and Space Science</i> , 2018, 155, 2-11.	1.7	13
78	Solar system science with the Wide-Field Infrared Survey Telescope. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2018, 4, 1.	1.8	5
79	The Robo-AO-2 facility for rapid visible/near-infrared AO imaging and the demonstration of hybrid techniques. , 2018, , .		4
80	Landsat 9 Thermal Infrared Sensor 2 pre-launch characterization: initial imaging and spectral performance results. , 2018, , .		0
81	Atmospheric waves and dynamics beneath Jupiter's clouds from radio wavelength observations. <i>Icarus</i> , 2017, 292, 168-181.	2.5	13
82	Changes in Jupiter's Zonal Wind Profile preceding and during the Juno mission. <i>Icarus</i> , 2017, 296, 163-178.	2.5	70
83	Neptune long-lived atmospheric features in 2013-2015 from small (28-cm) to large (10-m) telescopes. <i>Icarus</i> , 2017, 295, 89-109.	2.5	21
84	Jupiter's North Equatorial Belt expansion and thermal wave activity ahead of Juno's arrival. <i>Geophysical Research Letters</i> , 2017, 44, 7140-7148.	4.0	21
85	HST/WFC3 observations of Uranus' 2014 storm clouds and comparison with VLT/SINFONI and IRTF/Spex observations. <i>Icarus</i> , 2017, 288, 99-119.	2.5	21
86	Time-series Analysis of Broadband Photometry of Neptune from K2. <i>Astronomical Journal</i> , 2017, 153, 149.	4.7	9
87	OSIRIS-REx: Sample Return from Asteroid (101955) Bennu. <i>Space Science Reviews</i> , 2017, 212, 925-984.	8.1	426
88	New Observations and Modeling of Jupiter's Quasi-Quadrennial Oscillation. <i>Journal of Geophysical Research E: Planets</i> , 2017, 122, 2719-2744.	3.6	30
89	SPITZER SPACE TELESCOPE MID-IR LIGHT CURVES OF NEPTUNE. <i>Astronomical Journal</i> , 2016, 152, 142.	4.7	12
90	Chromophores from photolyzed ammonia reacting with acetylene: Application to Jupiter's Great Red Spot. <i>Icarus</i> , 2016, 274, 106-115.	2.5	35

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91	Vortices in Saturn's Northern Hemisphere (2008–2015) observed by Cassini ISS. <i>Journal of Geophysical Research E: Planets</i> , 2016, 121, 1814-1826.	3.6	9
92	An enduring rapidly moving storm as a guide to Saturn's Equatorial jet's complex structure. <i>Nature Communications</i> , 2016, 7, 13262.	12.8	21
93	A DISTANT MIRROR: SOLAR OSCILLATIONS OBSERVED ON NEPTUNE BY THE KEPLER K2 MISSION. <i>Astrophysical Journal Letters</i> , 2016, 833, L13.	8.3	8
94	NEPTUNE'S DYNAMIC ATMOSPHERE FROM KEPLER K2 OBSERVATIONS: IMPLICATIONS FOR BROWN DWARF LIGHT CURVE ANALYSES. <i>Astrophysical Journal</i> , 2016, 817, 162.	4.5	39
95	The spectrum of Jupiter's Great Red Spot: The case for ammonium hydrosulfide (NH ₄ SH). <i>Icarus</i> , 2016, 271, 265-268.	2.5	22
96	MEANDERING SHALLOW ATMOSPHERIC JET AS A MODEL OF SATURN'S NORTH-POLAR HEXAGON. <i>Astrophysical Journal Letters</i> , 2015, 806, L18.	8.3	24
97	OBSERVATIONS AND NUMERICAL MODELING OF THE JOVIAN RIBBON. <i>Astrophysical Journal Letters</i> , 2015, 810, L10.	8.3	7
98	Spectral comparison and stability of red regions on Jupiter. <i>Journal of Geophysical Research E: Planets</i> , 2015, 120, 483-494.	3.6	6
99	Small-scale waves on Jupiter: A reanalysis of New Horizons, Voyager, and Galileo data. <i>Geophysical Research Letters</i> , 2015, 42, 2612-2618.	4.0	16
100	FIRST RESULTS FROM THE HUBBLE OPAL PROGRAM: JUPITER IN 2015. <i>Astrophysical Journal</i> , 2015, 812, 55.	4.5	88
101	Giant-planet chemistry: Ammonium hydrosulfide (NH ₄ SH), its IR spectra and thermal and radiolytic stabilities. <i>Icarus</i> , 2015, 258, 181-191.	2.5	15
102	The OSIRIS-REx target asteroid (101955) Bennu: Constraints on its physical, geological, and dynamical nature from astronomical observations. <i>Meteoritics and Planetary Science</i> , 2015, 50, 834-849.	1.6	168
103	Stratospheric benzene and hydrocarbon aerosols detected in Saturn's auroral regions. <i>Astronomy and Astrophysics</i> , 2015, 580, A89.	5.1	19
104	DRAMATIC CHANGE IN JUPITER'S GREAT RED SPOT FROM SPACECRAFT OBSERVATIONS. <i>Astrophysical Journal Letters</i> , 2014, 797, L31.	8.3	20
105	Scientific rationale for Saturn's in situ exploration. <i>Planetary and Space Science</i> , 2014, 104, 29-47.	1.7	49
106	Meteorology of Jupiter's equatorial hot spots and plumes from Cassini. <i>Icarus</i> , 2013, 223, 832-843.	2.5	27
107	Exploring Planetary Atmospheres. <i>Eos</i> , 2013, 94, 425-426.	0.1	0
108	Strong Temporal Variation Over One Saturnian Year: From Voyager to Cassini. <i>Scientific Reports</i> , 2013, 3, 2410.	3.3	11

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109	Colors of Jupiter's large anticyclones and the interaction of a Tropical Red Oval with the Great Red Spot in 2008. <i>Journal of Geophysical Research E: Planets</i> , 2013, 118, 2537-2557.	3.6	15
110	ELUSIVE ETHYLENE DETECTED IN SATURN'S NORTHERN STORM REGION. <i>Astrophysical Journal</i> , 2012, 760, 24.	4.5	31
111	The origin and evolution of Saturn's 2011-2012 stratospheric vortex. <i>Icarus</i> , 2012, 221, 560-586.	2.5	63
112	Emitted power of Jupiter based on Cassini CIRS and VIMS observations. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	17
113	Vertical cloud structure of the 2009 Jupiter impact based on HST/WFC3 observations. <i>Icarus</i> , 2012, 221, 1061-1078.	2.5	8
114	Longitudinal variation and waves in Jupiter's south equatorial wind jet. <i>Icarus</i> , 2012, 218, 817-830.	2.5	28
115	Evolution of the equatorial oscillation in Saturn's stratosphere between 2005 and 2010 from Cassini/CIRS limb data analysis. <i>Geophysical Research Letters</i> , 2011, 38, .	4.0	41
116	The global energy balance of Titan. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	17
117	Long-term evolution of the aerosol debris cloud produced by the 2009 impact on Jupiter. <i>Icarus</i> , 2011, 214, 462-476.	2.5	13
118	Jovian chromophore characteristics from multispectral HST images. <i>Icarus</i> , 2011, 215, 552-583.	2.5	16
119	The atmospheric influence, size and possible asteroidal nature of the July 2009 Jupiter impactor. <i>Icarus</i> , 2011, 211, 587-602.	2.5	29
120	Jovian temperature and cloud variability during the 2009-2010 fade of the South Equatorial Belt. <i>Icarus</i> , 2011, 213, 564-580.	2.5	34
121	Thermal Structure and Dynamics of Saturn's Northern Springtime Disturbance. <i>Science</i> , 2011, 332, 1413-1417.	12.6	75
122	Equatorial winds on Saturn and the stratospheric oscillation. <i>Nature Geoscience</i> , 2011, 4, 750-752.	12.9	16
123	JUPITER AFTER THE 2009 IMPACT: HUBBLE SPACE TELESCOPE IMAGING OF THE IMPACT-GENERATED DEBRIS AND ITS TEMPORAL EVOLUTION. <i>Astrophysical Journal Letters</i> , 2010, 715, L150-L154.	8.3	36
124	FIRST EARTH-BASED DETECTION OF A SUPERBOLIDE ON JUPITER. <i>Astrophysical Journal Letters</i> , 2010, 721, L129-L133.	8.3	28
125	Seasonal change on Saturn from Cassini/CIRS observations, 2004-2009. <i>Icarus</i> , 2010, 208, 337-352.	2.5	63
126	Thermal structure and composition of Jupiter's Great Red Spot from high-resolution thermal imaging. <i>Icarus</i> , 2010, 208, 306-328.	2.5	50

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127	Meridional distribution of CH ₃ C ₂ H and C ₄ H ₂ in Saturn's stratosphere from CIRS/Cassini limb and nadir observations. <i>Icarus</i> , 2010, 209, 682-695.	2.5	35
128	On the long-term variability of Jupiter's winds and brightness as observed from Hubble. <i>Icarus</i> , 2010, 210, 258-269.	2.5	47
129	Analysis of Jupiter's Oval BA: A streamlined approach. <i>Icarus</i> , 2010, 210, 202-210.	2.5	7
130	Saturn's emitted power. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	33
131	THE IMPACT OF A LARGE OBJECT ON JUPITER IN 2009 JULY. <i>Astrophysical Journal Letters</i> , 2010, 715, L155-L159.	8.3	47
132	Saturn's latitudinal C ₂ H ₂ and C ₂ H ₆ abundance profiles from Cassini/CIRS and ground-based observations. <i>Icarus</i> , 2009, 202, 249-259.	2.5	29
133	Saturn's south polar vortex compared to other large vortices in the Solar System. <i>Icarus</i> , 2009, 202, 240-248.	2.5	50
134	Vertical and meridional distribution of ethane, acetylene and propane in Saturn's stratosphere from CIRS/Cassini limb observations. <i>Icarus</i> , 2009, 203, 214-232.	2.5	78
135	Mapping potential vorticity dynamics on Saturn: Zonal mean circulation from Cassini and Voyager data. <i>Planetary and Space Science</i> , 2009, 57, 1682-1698.	1.7	68
136	Thermal Infrared Spectroscopy of Saturn and Titan from Cassini. , 2009, , .		0
137	Depth of a strong jovian jet from a planetary-scale disturbance driven by storms. <i>Nature</i> , 2008, 451, 437-440.	27.8	82
138	An equatorial oscillation in Saturn's middle atmosphere. <i>Nature</i> , 2008, 453, 200-202.	27.8	88
139	Strong jet and a new thermal wave in Saturn's equatorial stratosphere. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	22
140	Dynamics of Saturn's South Polar Vortex. <i>Science</i> , 2008, 319, 1801-1801.	12.6	50
141	Temperature and Composition of Saturn's Polar Hot Spots and Hexagon. <i>Science</i> , 2008, 319, 79-81.	12.6	103
142	Mission Concepts for Studying Enceladus. <i>AIP Conference Proceedings</i> , 2008, , .	0.4	2
143	CHANGING CHARACTERISTICS OF JUPITER'S LITTLE RED SPOT. <i>Astronomical Journal</i> , 2008, 135, 2446-2452.	4.7	33
144	Polar Lightning and Decadal-Scale Cloud Variability on Jupiter. <i>Science</i> , 2007, 318, 226-229.	12.6	52

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145	Jupiter Cloud Composition, Stratification, Convection, and Wave Motion: A View from New Horizons. Science, 2007, 318, 223-225.	12.6	48
146	Wind variations in Jupiter's equatorial atmosphere: A QO counterpart?. Icarus, 2007, 186, 192-203.	2.5	27
147	Meridional variations of C ₂ H ₂ and C ₂ H ₆ in Jupiter's atmosphere from Cassini CIRS infrared spectra. Icarus, 2007, 188, 47-71.	2.5	72
148	Meridional variations in stratospheric acetylene and ethane in the southern hemisphere of the saturnian atmosphere as determined from Cassini/CIRS measurements. Icarus, 2007, 190, 556-572.	2.5	30
149	Infrared Observations of Saturn and Titan from Cassini. , 2007, , .		0
150	Vertical wind shear on Jupiter from Cassini images. Journal of Geophysical Research, 2006, 111, .	3.3	28
151	Jupiter's atmospheric temperatures: From Voyager IRIS to Cassini CIRS. Icarus, 2006, 180, 98-112.	2.5	104
152	Waves in Jupiter's atmosphere observed by the Cassini ISS and CIRS instruments. Icarus, 2006, 185, 416-429.	2.5	31
153	Mapping potential-vorticity dynamics on Jupiter. I: Zonal-mean circulation from Cassini and Voyager 1 data. Quarterly Journal of the Royal Meteorological Society, 2006, 132, 1577-1603.	2.7	63
154	Jupiter's White Oval turns red. Icarus, 2006, 185, 558-562.	2.5	27
155	Vertical structure modeling of Saturn's equatorial region using high spectral resolution imaging. Icarus, 2005, 175, 464-489.	2.5	33
156	Temperatures, Winds, and Composition in the Saturnian System. Science, 2005, 307, 1247-1251.	12.6	184
157	Titan's Atmospheric Temperatures, Winds, and Composition. Science, 2005, 308, 975-978.	12.6	318
158	CIRS: The Composite Infrared Spectrometer on Cassini. , 2005, , .		0
159	Jupiter's Atmospheric Composition from the Cassini Thermal Infrared Spectroscopy Experiment. Science, 2004, 305, 1582-1586.	12.6	63
160	An intense stratospheric jet on Jupiter. Nature, 2004, 427, 132-135.	27.8	103
161	Exploring The Saturn System In The Thermal Infrared: The Composite Infrared Spectrometer. Space Science Reviews, 2004, 115, 169-297.	8.1	275
162	Retrievals of jovian tropospheric phosphine from Cassini/CIRS. Icarus, 2004, 172, 37-49.	2.5	68

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163	Operations and calibration of the solid-state imaging system during the Galileo extended mission at Jupiter. <i>Optical Engineering</i> , 2003, 42, 494.	1.0	8
164	New Observational Results Concerning Jupiter's Great Red Spot. <i>Icarus</i> , 2002, 158, 249-266.	2.5	63
165	Mountains on Io: High-resolution Galileo observations, initial interpretations, and formation models. <i>Journal of Geophysical Research</i> , 2001, 106, 33175-33199.	3.3	56
166	Imaging of volcanic activity on Jupiter's moon Io by Galileo during the Galileo Europa Mission and the Galileo Millennium Mission. <i>Journal of Geophysical Research</i> , 2001, 106, 33025-33052.	3.3	118
167	An HST Study of Jovian Chromophores. <i>Icarus</i> , 2001, 149, 94-106.	2.5	23
168	Color and the Vertical Structure in Jupiter's Belts, Zones, and Weather Systems. <i>Icarus</i> , 2001, 154, 459-474.	2.5	67
169	A Detection of Water Ice on Jupiter with Voyager IRIS. <i>Icarus</i> , 2000, 145, 454-461.	2.5	39
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