

G Randall Gladstone

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7209678/publications.pdf>

Version: 2024-02-01

216
papers

8,830
citations

36303

51
h-index

54911

84
g-index

233
all docs

233
docs citations

233
times ranked

3645
citing authors

#	ARTICLE	IF	CITATIONS
1	Anomalous Flux in the Cosmic Optical Background Detected with New Horizons Observations. <i>Astrophysical Journal Letters</i> , 2022, 927, L8.	8.3	32
2	A Comprehensive Set of Juno In Situ and Remote Sensing Observations of the Ganymede Auroral Footprint. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	8
3	Closed Fluxtubes and Dispersive Proton Conics at Jupiter's Polar Cap. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	7
4	Extreme Exospheric Dynamics at Charon: Implications for the Red Spot. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	3
5	A Predicted Dearth of Majority Hypervolatile Ices in Oort Cloud Comets. <i>Planetary Science Journal</i> , 2022, 3, 112.	3.6	15
6	Upper Limits on the Escape of Volatiles from (486958) Arrokoth Using New Horizons Alice Ultraviolet Spectrograph Observations. <i>Planetary Science Journal</i> , 2022, 3, 111.	3.6	3
7	Detection of Radio Thermal Emission from the Kuiper Belt Object (486958) Arrokoth during the New Horizons Encounter. <i>Planetary Science Journal</i> , 2022, 3, 109.	3.6	3
8	Jupiter's X-ray and UV Dark Polar Region. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	6
9	Charon's refractory factory. <i>Science Advances</i> , 2022, 8, .	10.3	1
10	Supporting Evidence for a Galactic Ly α Background from Cassini UVIS Data. <i>Astronomical Journal</i> , 2022, 164, 46.	4.7	1
11	LORRI observations of waves in Pluto's atmosphere. <i>Icarus</i> , 2021, 356, 113825.	2.5	1
12	Constraints on Pluto's H and CH ₄ profiles from New Horizons Alice Ly α observations. <i>Icarus</i> , 2021, 356, 113973.	2.5	2
13	A major ice component in Pluto's haze. <i>Nature Astronomy</i> , 2021, 5, 289-297.	10.1	19
14	Morphology of Jupiter's Polar Auroral Bright Spot Emissions via Juno's UVS Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028586.	2.4	5
15	Are Dawn Storms Jupiter's Auroral Substorms?. <i>AGU Advances</i> , 2021, 2, e2020AV000275.	5.4	25
16	Detection of a Bolide in Jupiter's Atmosphere With Juno UVS. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091797.	4.0	9
17	Variability and Hemispheric Symmetry of the Pedersen Conductance in the Jovian Aurora. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028949.	2.4	1
18	On the origin & thermal stability of Arrokoth's and Pluto's ices. <i>Icarus</i> , 2021, 356, 114072.	2.5	31

#	ARTICLE	IF	CITATIONS
19	First direct measurement of auroral and equatorial jets in the stratosphere of Jupiter. <i>Astronomy and Astrophysics</i> , 2021, 647, L8.	5.1	16
20	Detection and Characterization of Circular Expanding UV Emissions Observed in Jupiter's Polar Auroral Regions. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028971.	2.4	4
21	Pluto's Haze Abundance and Size Distribution from Limb Scatter Observations by MVIC. <i>Planetary Science Journal</i> , 2021, 2, 91.	3.6	5
22	Jupiter high-energy/high-latitude electron environment from Juno's JEDI and UVS science instrument background noise. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2021, 1002, 165244.	1.6	2
23	Searching for Saturn's X-rays during a rare Jupiter Magnetotail crossing using <i>Chandra</i> . <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 298-305.	4.4	10
24	Revealing the source of Jupiter's x-ray auroral flares. <i>Science Advances</i> , 2021, 7, .	10.3	25
25	Improved Determination of Europa's Long-Wavelength Topography Using Stellar Occultations. <i>Earth and Space Science</i> , 2021, 8, e2020EA001586.	2.6	2
26	NEXtUP: the Normal-incidence Extreme Ultraviolet Photometer. , 2021, , .		2
27	Jupiter's X-ray aurora during UV dawn storms and injections as observed by <i>XMM-Newton</i> , <i>Hubble</i> , and <i>Hisaki</i> . <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 1216-1228.	4.4	7
28	Meridional Variations of $C_{2H_{2}}$ in Jupiter's Stratosphere From Juno UVS Observations. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2021JE006928.	3.6	5
29	Quantification of Diffuse Auroral Electron Precipitation Driven by Whistler Mode Waves at Jupiter. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095457.	4.0	12
30	Electron Partial Density and Temperature Over Jupiter's Main Auroral Emission Using Juno Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029426.	2.4	11
31	A Preliminary Study of Magnetosphere-Ionosphere-Thermosphere Coupling at Jupiter: Juno Multi-Instrument Measurements and Modeling Tools. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029469.	2.4	11
32	Characteristics of Jupiter's X-Ray Auroral Hot Spot Emissions Using Chandra. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029243.	2.4	8
33	A molecular wind blows out of the Kuiper belt. <i>Astronomy and Astrophysics</i> , 2021, 653, L11.	5.1	7
34	LRO/LAMP observations of the lunar helium exosphere: constraints on thermal accommodation and outgassing rate. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 501, 4438-4451.	4.4	5
35	Simultaneous UV Images and High-Latitude Particle and Field Measurements During an Auroral Dawn Storm at Jupiter. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029679.	2.4	3
36	Local Time Dependence of Jupiter's Polar Auroral Emissions Observed by Juno UVS. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2021JE006954.	3.6	9

#	ARTICLE	IF	CITATIONS
37	New Horizons Detection of the Local Galactic Lyman- α Background. <i>Astronomical Journal</i> , 2021, 162, 241.	4.7	7
38	Jupiter's X-ray Emission During the 2007 Solar Minimum. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027219.	2.4	17
39	An attempt to detect transient changes in 10eV 's SO^+ $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e1100" altimg="si51.svg" \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$ and NaCl atmosphere. <i>Icarus</i> , 2020, 350, 113925.	2.5	16
40	Possible Transient Luminous Events Observed in Jupiter's Upper Atmosphere. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2020JE006659.	3.6	13
41	Observations and Electron Density Retrievals of Jupiter's Discrete Auroral Arcs Using the Juno Microwave Radiometer. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2019JE006293.	3.6	4
42	Spatial Distribution of the Pedersen Conductance in the Jovian Aurora From Juno's UVS Spectral Images. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028142.	2.4	19
43	Comparisons Between Jupiter's X-ray, UV and Radio Emissions and In-situ Solar Wind Measurements During 2007. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027222.	2.4	24
44	First Report of Electron Measurements During a Europa Footprint Tail Crossing by Juno. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089732.	4.0	17
45	New Horizons Observations of an Ultraviolet Stellar Occultation and Appulse by Pluto's Atmosphere. <i>Astronomical Journal</i> , 2020, 159, 26.	4.7	3
46	Energetic Particles and Acceleration Regions Over Jupiter's Polar Cap and Main Aurora: A Broad Overview. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027699.	2.4	47
47	Energy Flux and Characteristic Energy of Electrons Over Jupiter's Main Auroral Emission. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027693.	2.4	37
48	Alfvénic Acceleration Sustains Ganymede's Footprint Tail Aurora. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086527.	4.0	25
49	Color, composition, and thermal environment of Kuiper Belt object (486958) Arrokoth. <i>Science</i> , 2020, 367, .	12.6	64
50	The geology and geophysics of Kuiper Belt object (486958) Arrokoth. <i>Science</i> , 2020, 367, .	12.6	76
51	The solar nebula origin of (486958) Arrokoth, a primordial contact binary in the Kuiper Belt. <i>Science</i> , 2020, 367, .	12.6	79
52	Chandra Observations of Jupiter's X-ray Auroral Emission During Juno Apojove 2017. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2019JE006262.	3.6	16
53	Energetic Neutral Atoms From Jupiter's Polar Regions. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028697.	2.4	2
54	Pluto's Ultraviolet Spectrum, Surface Reflectance, and Airglow Emissions. <i>Astronomical Journal</i> , 2020, 159, 274.	4.7	12

#	ARTICLE	IF	CITATIONS
55	Influence of Solar Disturbances on Galactic Cosmic Rays in the Solar Wind, Heliosheath, and Local Interstellar Medium: Advanced Composition Explorer, New Horizons, and Voyager Observations. <i>Astrophysical Journal</i> , 2020, 905, 69.	4.5	15
56	Jovian Injections Observed at High Latitude. <i>Geophysical Research Letters</i> , 2019, 46, 9397-9404.	4.0	17
57	Suprathermal Ions in the Outer Heliosphere. <i>Astrophysical Journal</i> , 2019, 876, 46.	4.5	15
58	Birkeland currents in Jupiter's magnetosphere observed by the polar-orbiting Juno spacecraft. <i>Nature Astronomy</i> , 2019, 3, 904-909.	10.1	40
59	Juno-UVS Observation of the Io Footprint During Solar Eclipse. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 5184-5199.	2.4	19
60	New Horizons Observations of the Atmosphere of Pluto. <i>Annual Review of Earth and Planetary Sciences</i> , 2019, 47, 119-140.	11.0	22
61	Initial results from the New Horizons exploration of 2014 MU ₆₉ , a small Kuiper Belt object. <i>Science</i> , 2019, 364, .	12.6	113
62	Recent cryovolcanism in Virgil Fossae on Pluto. <i>Icarus</i> , 2019, 330, 155-168.	2.5	45
63	Probing Jovian Broadband Kilometric Radio Sources Tied to the Ultraviolet Main Auroral Oval With Juno. <i>Geophysical Research Letters</i> , 2019, 46, 571-579.	4.0	10
64	In-flight Characterization and Calibration of the Juno-ultraviolet Spectrograph (Juno-UVS). <i>Astronomical Journal</i> , 2019, 157, 90.	4.7	18
65	Contemporaneous Observations of Jovian Energetic Auroral Electrons and Ultraviolet Emissions by the Juno Spacecraft. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 8298-8317.	2.4	22
66	Jovian UV Aurora's Response to the Solar Wind: Hisaki EXCEED and Juno Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 10209-10218.	2.4	9
67	Pluto's Interaction With Energetic Heliospheric Ions. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 7413-7424.	2.4	4
68	Slowing of the Solar Wind in the Outer Heliosphere. <i>Astrophysical Journal</i> , 2019, 885, 156.	4.5	47
69	Radio thermal emission from Pluto and Charon during the New Horizons encounter. <i>Icarus</i> , 2019, 322, 192-209.	2.5	8
70	Comparing Electron Energetics and UV Brightness in Jupiter's Northern Polar Region During Juno Perijove 5. <i>Geophysical Research Letters</i> , 2019, 46, 19-27.	4.0	18
71	Planning operations in Jupiter's high-radiation environment: optimization strategies from Juno-ultraviolet spectrograph. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2019, 5, 1.	1.8	4
72	An upper limit on Pluto's ionosphere from radio occultation measurements with New Horizons. <i>Icarus</i> , 2018, 307, 17-24.	2.5	30

#	ARTICLE	IF	CITATIONS
73	Intervals of Intense Energetic Electron Beams Over Jupiter's Poles. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 1989-1999.	2.4	35
74	Diverse Electron and Ion Acceleration Characteristics Observed Over Jupiter's Main Aurora. <i>Geophysical Research Letters</i> , 2018, 45, 1277-1285.	4.0	49
75	Imaging the Global Distribution of Plasmaspheric Oxygen. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 2078-2103.	2.4	13
76	Jupiter's Aurora Observed With HST During Juno Orbits 3 to 7. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 3299-3319.	2.4	53
77	Structure and composition of Pluto's atmosphere from the New Horizons solar ultraviolet occultation. <i>Icarus</i> , 2018, 300, 174-199.	2.5	90
78	Precipitating Electron Energy Flux and Characteristic Energies in Jupiter's Main Auroral Region as Measured by Juno/JEDI. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 7554-7567.	2.4	42
79	Bar Code Events in the Juno-UVS Data: Signature ~ 10 MeV Electron Microbursts at Jupiter. <i>Geophysical Research Letters</i> , 2018, 45, 12,108.	4.0	14
80	Assessing Quasi-Periodicities in Jovian X-Ray Emissions: Techniques and Heritage Survey. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 9204-9221.	2.4	23
81	LRO/LAMP study of the interstellar medium via the HeI 58.4 nm resonance line. <i>Astronomy and Astrophysics</i> , 2018, 616, A159.	5.1	2
82	Determining the Alpha to Proton Density Ratio for the New Horizons Solar Wind Observations. <i>Astrophysical Journal</i> , 2018, 866, 85.	4.5	10
83	In Situ Observations Connected to the Io Footprint Tail Aurora. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 3061-3077.	3.6	48
84	Whistler Mode Waves Associated With Broadband Auroral Electron Precipitation at Jupiter. <i>Geophysical Research Letters</i> , 2018, 45, 9372-9379.	4.0	21
85	The Far Ultraviolet Wavelength Dependence of the Lunar Phase Curve as Seen by LRO LAMP. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 2550-2563.	3.6	11
86	Concurrent ultraviolet and infrared observations of the north Jovian aurora during Juno's first perijove. <i>Icarus</i> , 2018, 312, 145-156.	2.5	18
87	Far-Ultraviolet Photometric Response of Apollo Soil 10084. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 1221-1229.	3.6	6
88	Great Expectations: Plans and Predictions for New Horizons Encounter With Kuiper Belt Object 2014 MU ₆₉ (â€œUltima Thuleâ€). <i>Geophysical Research Letters</i> , 2018, 45, 8111-8120.	4.0	14
89	The Lyman- α Sky Background as Observed by New Horizons. <i>Geophysical Research Letters</i> , 2018, 45, 8022-8028.	4.0	19
90	Pluto's haze as a surface material. <i>Icarus</i> , 2018, 314, 232-245.	2.5	50

#	ARTICLE	IF	CITATIONS
91	Contributions of solar wind and micrometeoroids to molecular hydrogen in the lunar exosphere. <i>Icarus</i> , 2017, 283, 31-37.	2.5	30
92	Haze in Pluto's atmosphere. <i>Icarus</i> , 2017, 290, 112-133.	2.5	72
93	Jupiter's magnetosphere and aurorae observed by the Juno spacecraft during its first polar orbits. <i>Science</i> , 2017, 356, 826-832.	12.6	109
94	Infrared observations of Jovian aurora from Juno's first orbits: Main oval and satellite footprints. <i>Geophysical Research Letters</i> , 2017, 44, 5308-5316.	4.0	30
95	Hot flow anomaly observed at Jupiter's bow shock. <i>Geophysical Research Letters</i> , 2017, 44, 8107-8112.	4.0	17
96	A heavy ion and proton radiation belt inside of Jupiter's rings. <i>Geophysical Research Letters</i> , 2017, 44, 5259-5268.	4.0	28
97	Juno observations of energetic charged particles over Jupiter's polar regions: Analysis of monodirectional and bidirectional electron beams. <i>Geophysical Research Letters</i> , 2017, 44, 4410-4418.	4.0	90
98	Preliminary JIRAM results from Juno polar observations: 2. Analysis of the Jupiter southern H ₃ ⁺ emissions and comparison with the north aurora. <i>Geophysical Research Letters</i> , 2017, 44, 4633-4640.	4.0	20
99	Preliminary JIRAM results from Juno polar observations: 1. Methodology and analysis applied to the Jovian northern polar region. <i>Geophysical Research Letters</i> , 2017, 44, 4625-4632.	4.0	18
100	Response of Jupiter's auroras to conditions in the interplanetary medium as measured by the Hubble Space Telescope and Juno. <i>Geophysical Research Letters</i> , 2017, 44, 7643-7652.	4.0	68
101	Morphology of the UV aurorae Jupiter during Juno's first perijove observations. <i>Geophysical Research Letters</i> , 2017, 44, 4463-4471.	4.0	54
102	Juno's UVS approach observations of Jupiter's auroras. <i>Geophysical Research Letters</i> , 2017, 44, 7668-7675.	4.0	25
103	Preliminary JIRAM results from Juno polar observations: 3. Evidence of diffuse methane presence in the Jupiter auroral regions. <i>Geophysical Research Letters</i> , 2017, 44, 4641-4648.	4.0	13
104	Independent evolution of stratospheric temperatures in Jupiter's northern and southern auroral regions from 2014 to 2016. <i>Geophysical Research Letters</i> , 2017, 44, 5345-5354.	4.0	12
105	Radio occultation measurements of Pluto's neutral atmosphere with New Horizons. <i>Icarus</i> , 2017, 290, 96-111.	2.5	74
106	A new view of Jupiter's auroral radio spectrum. <i>Geophysical Research Letters</i> , 2017, 44, 7114-7121.	4.0	35
107	The independent pulsations of Jupiter's northern and southern X-ray auroras. <i>Nature Astronomy</i> , 2017, 1, 758-764.	10.1	49
108	Understanding the Origin of Jupiter's Diffuse Aurora Using Juno's First Perijove Observations. <i>Geophysical Research Letters</i> , 2017, 44, 10,162.	4.0	17

#	ARTICLE	IF	CITATIONS
109	Spatial Distribution and Properties of 0.1–100 keV Electrons in Jupiter's Polar Auroral Region. <i>Geophysical Research Letters</i> , 2017, 44, 9199-9207.	4.0	34
110	Discrete and broadband electron acceleration in Jupiter's powerful aurora. <i>Nature</i> , 2017, 549, 66-69.	27.8	79
111	New Horizons Upper Limits on O ₂ in Pluto's Present Day Atmosphere. <i>Astronomical Journal</i> , 2017, 154, 55.	4.7	7
112	Constraints on the microphysics of Pluto's photochemical haze from New Horizons observations. <i>Icarus</i> , 2017, 287, 116-123.	2.5	73
113	The photochemistry of Pluto's atmosphere as illuminated by New Horizons. <i>Icarus</i> , 2017, 287, 110-115.	2.5	75
114	New Horizons constraints on Charon's present day atmosphere. <i>Icarus</i> , 2017, 287, 124-130.	2.5	32
115	The puzzling detection of x-rays from Pluto by Chandra. <i>Icarus</i> , 2017, 287, 103-109.	2.5	19
116	The Ultraviolet Spectrograph on NASA's Juno Mission. <i>Space Science Reviews</i> , 2017, 213, 447-473.	8.1	109
117	Magnetospheric Science Objectives of the Juno Mission. <i>Space Science Reviews</i> , 2017, 213, 219-287.	8.1	163
118	The impact of an ICME on the Jovian X-ray aurora. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 2274-2307.	2.4	51
119	Global response of the upper thermospheric winds to large ion drifts in the Jovian ovals. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 4647-4667.	2.4	6
120	LRO-LAMP detection of geologically young craters within lunar permanently shaded regions. <i>Icarus</i> , 2016, 273, 114-120.	2.5	15
121	The formation of Charon's red poles from seasonally cold-trapped volatiles. <i>Nature</i> , 2016, 539, 65-68.	27.8	44
122	MeV-level electron and gamma ray sensitivities of modern far ultraviolet sensitive microchannel plate detectors. <i>Proceedings of SPIE</i> , 2016, , .	0.8	6
123	Jupiter's X-ray and EUV auroras monitored by Chandra, XMM-Newton, and Hisaki satellite. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 2308-2320.	2.4	34
124	Lunar exospheric helium observations of LRO/LAMP coordinated with ARTEMIS. <i>Icarus</i> , 2016, 273, 36-44.	2.5	17
125	The atmosphere of Pluto as observed by New Horizons. <i>Science</i> , 2016, 351, aad8866.	12.6	201
126	Pluto's interaction with its space environment: Solar wind, energetic particles, and dust. <i>Science</i> , 2016, 351, aad9045.	12.6	60

#	ARTICLE	IF	CITATIONS
127	The geology of Pluto and Charon through the eyes of New Horizons. <i>Science</i> , 2016, 351, 1284-1293.	12.6	219
128	Lunar swirls: Far-UV characteristics. <i>Icarus</i> , 2016, 273, 68-74.	2.5	29
129	Understanding temporal and spatial variability of the lunar helium atmosphere using simultaneous observations from LRO, LADEE, and ARTEMIS. <i>Icarus</i> , 2016, 273, 45-52.	2.5	25
130	Solar glint suppression in compact planetary ultraviolet spectrographs. <i>Proceedings of SPIE</i> , 2015, , .	0.8	1
131	Lunar exospheric argon modeling. <i>Icarus</i> , 2015, 255, 135-147.	2.5	28
132	The Pluto system: Initial results from its exploration by New Horizons. <i>Science</i> , 2015, 350, aad1815.	12.6	407
133	Ly α emission from the atmosphere of Pluto. <i>Icarus</i> , 2015, 246, 279-284.	2.5	24
134	Pluto's implications for a Snowball Titan. <i>Icarus</i> , 2015, 246, 192-196.	2.5	17
135	Upper limits for a lunar dust exosphere from far-ultraviolet spectroscopy by LRO/LAMP. <i>Icarus</i> , 2014, 233, 106-113.	2.5	50
136	Mapping the electron energy in Jupiter's aurora: Hubble spectral observations. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 9072-9088.	2.4	47
137	Improved ground calibration results from Southwest Research Institute Ultraviolet Radiometric Calibration Facility (UV-RCF). <i>Proceedings of SPIE</i> , 2014, , .	0.8	4
138	Magnetospheric Science Objectives of the Juno Mission. , 2014, , 39-107.		3
139	The Ultraviolet Spectrograph on NASA's Juno Mission. , 2014, , 325-351.		2
140	Lunar atmospheric H ₂ detections by the LAMP UV spectrograph on the Lunar Reconnaissance Orbiter. <i>Icarus</i> , 2013, 226, 1210-1213.	2.5	38
141	Effects of methane on giant planet's UV emissions and implications for the auroral characteristics. <i>Journal of Molecular Spectroscopy</i> , 2013, 291, 108-117.	1.2	24
142	New upper limits on numerous atmospheric species in the native lunar atmosphere. <i>Icarus</i> , 2013, 225, 681-687.	2.5	55
143	On the possible noble gas deficiency of Pluto's atmosphere. <i>Icarus</i> , 2013, 225, 856-861.	2.5	16
144	An improved wide-field camera for imaging Earth's plasmasphere at 30.4 nm. <i>Proceedings of SPIE</i> , 2013, , .	0.8	7

#	ARTICLE	IF	CITATIONS
145	Performance results from in-flight commissioning of the Juno Ultraviolet Spectrograph (Juno-UVS). Proceedings of SPIE, 2013, , .	0.8	22
146	Radiometric calibration of the SWRI ultraviolet reflectance chamber (SwURC) far-ultraviolet reflectometer. , 2013, , .		1
147	Thirty Years of Interplanetary Background Data: A Global View. , 2013, , 141-162.		13
148	Lyman- α Models for LRO LAMP from MESSENGER MASCS and SOHO SWAN Data. , 2013, , 163-175.		6
149	New Horizons Cruise Observations of Lyman- α Emissions from the Interplanetary Medium. , 2013, , 177-188.		6
150	The Southwest Research Institute ultraviolet reflectance chamber (SwURC): a far ultraviolet reflectometer. , 2012, , .		2
151	Titan airglow during eclipse. Geophysical Research Letters, 2012, 39, .	4.0	12
152	The lunar far-UV albedo: Indicator of hydration and weathering. Journal of Geophysical Research, 2012, 117, .	3.3	66
153	Lunar atmospheric helium detections by the LAMP UV spectrograph on the Lunar Reconnaissance Orbiter. Geophysical Research Letters, 2012, 39, .	4.0	25
154	MeV electrons detected by the Alice UV spectrograph during the <i>New Horizons</i> flyby of Jupiter. Journal of Geophysical Research, 2012, 117, .	3.3	8
155	Modeling of the vapor release from the LCROSS impact: 2. Observations from LAMP. Journal of Geophysical Research, 2012, 117, .	3.3	23
156	Far-ultraviolet reflectance properties of the Moon's permanently shadowed regions. Journal of Geophysical Research, 2012, 117, .	3.3	115
157	Two-dimensional distribution of volatiles in the lunar regolith from space weathering simulations. Geophysical Research Letters, 2012, 39, .	4.0	61
158	Earth-based detection of Uranus' aurorae. Geophysical Research Letters, 2012, 39, .	4.0	51
159	Temporal variability of lunar exospheric helium during January 2012 from LRO/LAMP. Icarus, 2012, 221, 854-858.	2.5	33
160	Radiometric performance results of the Juno ultraviolet spectrograph (Juno-UVS). Proceedings of SPIE, 2011, , .	0.8	9
161	Commissioning and in-flight calibration results of the Lunar Reconnaissance Orbiter's Lyman Alpha Mapping Project (LRO/LAMP) UV imaging spectrograph. Proceedings of SPIE, 2011, , .	0.8	3
162	Spectro-imaging observations of Jupiter's 2 $\frac{1}{4}$ m auroral emission. II: Thermospheric winds. Icarus, 2011, 211, 1233-1241.	2.5	18

#	ARTICLE	IF	CITATIONS
163	New Horizons Alice ultraviolet observations of a stellar occultation by Jupiter's atmosphere. <i>Icarus</i> , 2010, 208, 293-305.	2.5	20
164	LAMP: The Lyman Alpha Mapping Project on NASA's Lunar Reconnaissance Orbiter Mission. <i>Space Science Reviews</i> , 2010, 150, 161-181.	8.1	83
165	Resonance line radiative transfer for hot atom coronae using Kappa distributions. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2010, 111, 116-127.	2.3	3
166	LRO-LAMP Observations of the LCROSS Impact Plume. <i>Science</i> , 2010, 330, 472-476.	12.6	141
167	Processes of auroral thermal structure at Jupiter: Analysis of multispectral temperature observations with the Jupiter Thermosphere General Circulation Model. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	18
168	Response of Jupiter's and Saturn's auroral activity to the solar wind. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	161
169	ALICE: The Ultraviolet Imaging Spectrograph Aboard the New Horizons Pluto-Kuiper Belt Mission. <i>Space Science Reviews</i> , 2008, 140, 155-187.	8.1	111
170	New Horizons: Anticipated Scientific Investigations at the Pluto System. <i>Space Science Reviews</i> , 2008, 140, 93-127.	8.1	74
171	Spectral morphology of the X-ray emission from Jupiter's aurorae. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	75
172	Polar Lightning and Decadal-Scale Cloud Variability on Jupiter. <i>Science</i> , 2007, 318, 226-229.	12.6	52
173	Jupiter's Nightside Airglow and Aurora. <i>Science</i> , 2007, 318, 229-231.	12.6	24
174	Io's Atmospheric Response to Eclipse: UV Aurorae Observations. <i>Science</i> , 2007, 318, 237-240.	12.6	41
175	A study of Jupiter's aurorae with XMM-Newton. <i>Astronomy and Astrophysics</i> , 2007, 463, 761-774.	5.1	104
176	Latest results on Jovian disk X-rays from XMM-Newton. <i>Planetary and Space Science</i> , 2007, 55, 1126-1134.	1.7	47
177	X-ray emission from the outer planets: Albedo for scattering and fluorescence of solar X rays. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	32
178	Characteristics of Jovian morning bright FUV aurora from Hubble Space Telescope/Space Telescope Imaging Spectrograph imaging and spectral observations. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	48
179	Low- to middle-latitude X-ray emission from Jupiter. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	30
180	Jupiter Thermospheric General Circulation Model (JTGCM): Global structure and dynamics driven by auroral and Joule heating. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	69

#	ARTICLE	IF	CITATIONS
181	Solar control on Jupiter's equatorial X-ray emissions: 26â€“29 November 2003 XMM-Newton observation. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	53
182	Simultaneous Chandra X ray, Hubble Space Telescope ultraviolet, and Ulysses radio observations of Jupiter's aurora. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	149
183	Photochemistry and diffusion in Jupiter's stratosphere: Constraints from ISO observations and comparisons with other giant planets. <i>Journal of Geophysical Research</i> , 2005, 110, n/a-n/a.	3.3	167
184	First observation of Jupiter by XMM-Newton. <i>Astronomy and Astrophysics</i> , 2004, 424, 331-337.	5.1	62
185	Spectro-imaging observations of Jupiter's 2-1/4m auroral emission. I. H ₃ distribution and temperature. <i>Icarus</i> , 2004, 171, 133-152.	2.5	45
186	Constraints on Jupiter's hydrogen corona from Galileo UVS observations. <i>Planetary and Space Science</i> , 2004, 52, 415-421.	1.7	16
187	A possible auroral signature of a magnetotail reconnection process on Jupiter. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	64
188	Implications of Jovian X-ray emission for magnetosphere-ionosphere coupling. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	91
189	A pulsating auroral X-ray hot spot on Jupiter. <i>Nature</i> , 2002, 415, 1000-1003.	27.8	183
190	Ultraviolet emissions from the magnetic footprints of Io, Ganymede and Europa on Jupiter. <i>Nature</i> , 2002, 415, 997-1000.	27.8	203
191	An auroral flare at Jupiter. <i>Nature</i> , 2001, 410, 787-789.	27.8	130
192	Multispectral observations of Jupiter's aurora. <i>Advances in Space Research</i> , 2000, 26, 1453-1475.	2.6	21
193	Auroral emissions of the giant planets. <i>Reviews of Geophysics</i> , 2000, 38, 295-353.	23.0	136
194	Jovian X-ray emission from solar X-ray scattering. <i>Geophysical Research Letters</i> , 2000, 27, 1339-1342.	4.0	54
195	Secular and local time dependence of Jovian X ray emissions. <i>Journal of Geophysical Research</i> , 1998, 103, 20083-20088.	3.3	35
196	Hubble Space Telescope imaging of Jupiter's UV aurora during the Galileo orbiter mission. <i>Journal of Geophysical Research</i> , 1998, 103, 20217-20236.	3.3	170
197	Detection of Atomic Deuterium in the Upper Atmosphere of Mars. <i>Science</i> , 1998, 280, 1576-1580.	12.6	124
198	The Spectroscopic Detectability of Argon in the Lunar Atmosphere. <i>Astrophysical Journal</i> , 1998, 509, L61-L64.	4.5	11

#	ARTICLE	IF	CITATIONS
199	HSTSpectra of the Jovian Ultraviolet Aurora: Search for Heavy Ion Precipitation. Astrophysical Journal, 1998, 507, 955-967.	4.5	24
200	Equatorial X-ray Emissions: Implications for Jupiter's High Exospheric Temperatures. Science, 1997, 276, 104-108.	12.6	91
201	Outer planet ionospheres: A review of recent research and a look toward the future. Advances in Space Research, 1997, 20, 243-252.	2.6	14
202	Simulation of the Morphology of the Jovian UV North Aurora Observed with the Hubble Space Telescope. Icarus, 1997, 128, 306-321.	2.5	23
203	The distribution of hot hydrogen atoms produced by electron and proton precipitation in the Jovian aurora. Journal of Geophysical Research, 1996, 101, 21157-21168.	3.3	17
204	Evidence for Supersonic Turbulence in the Upper Atmosphere of Jupiter. Science, 1996, 273, 1085-1087.	12.6	26
205	Hydrocarbon Photochemistry in the Upper Atmosphere of Jupiter. Icarus, 1996, 119, 1-52.	2.5	250
206	Auroral oxygen precipitation at Jupiter. Journal of Geophysical Research, 1995, 100, 17153.	3.3	94
207	ROSAT Observations of X-ray Emissions from Jupiter During the Impact of Comet Shoemaker-Levy 9. Science, 1995, 268, 1598-1601.	12.6	27
208	ROSAT observations of the Jupiter aurora. Journal of Geophysical Research, 1994, 99, 14799.	3.3	87
209	A Remarkable Auroral Event on Jupiter Observed in the Ultraviolet with the Hubble Space Telescope. Science, 1994, 266, 1675-1678.	12.6	55
210	Photochemistry in the Primitive Solar Nebula. Science, 1993, 261, 1058-1058.	12.6	9
211	The Lyman alpha bulge of Jupiter: Effects of non-thermal velocity field. Geophysical Research Letters, 1993, 20, 747-750.	4.0	25
212	Helium in the Martian atmosphere. Journal of Geophysical Research, 1993, 98, 15061-15068.	3.3	17
213	<title>Simulated images of the plasmasphere</title>. , 1992, 1744, 171.		3
214	UV resonance line dayglow emissions on Earth and Jupiter. Journal of Geophysical Research, 1988, 93, 14623-14630.	3.3	63
215	An analysis of the reflection spectrum of Jupiter from 1500 A to 1740 A. Astrophysical Journal, 1983, 266, 415.	4.5	37
216	H2 fluorescence spectrum from 1200 to 1700 A by electron impact - Laboratory study and application to Jovian aurora. Astrophysical Journal, 1982, 254, L65.	4.5	95