

# Leslie A Young

## List of Publications by Year in descending order

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Version: 2024-02-01

164  
papers

7,662  
citations

38738

50  
h-index

60616

81  
g-index

164  
all docs

164  
docs citations

164  
times ranked

2862  
citing authors



#	ARTICLE	IF	CITATIONS
1	Evaluation of short-term temporal evolution of Pluto's surface composition from 2014–2017 with APO/TripleSpec. <i>Icarus</i> , 2022, 373, 114729.	2.5	4
2	Volatile transport modeling on Triton with new observational constraints. <i>Icarus</i> , 2022, 373, 114764.	2.5	7
3	Tracing seasonal trends across Pluto's craters: New Horizons Ralph/MVIC results. <i>Icarus</i> , 2022, 373, 114771.	2.5	1
4	A bimodal distribution of haze in Pluto's atmosphere. <i>Nature Communications</i> , 2022, 13, 240.	12.8	5
5	Excited state photochemically driven surface formation of benzene from acetylene ices on Pluto and in the outer solar system. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 1424-1436.	2.8	4
6	Anomalous Flux in the Cosmic Optical Background Detected with New Horizons Observations. <i>Astrophysical Journal Letters</i> , 2022, 927, L8.	8.3	32
7	Large-scale cryovolcanic resurfacing on Pluto. <i>Nature Communications</i> , 2022, 13, 1542.	12.8	15
8	The Diverse Shapes of Dwarf Planet and Large KBO Phase Curves Observed from New Horizons. <i>Planetary Science Journal</i> , 2022, 3, 95.	3.6	10
9	A Near-surface Temperature Model of Arrokoth. <i>Planetary Science Journal</i> , 2022, 3, 110.	3.6	9
10	A Predicted Dearth of Majority Hypervolatile Ices in Oort Cloud Comets. <i>Planetary Science Journal</i> , 2022, 3, 112.	3.6	15
11	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
12	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
13	Pluto's Far Side. <i>Icarus</i> , 2021, 356, 113805.	2.5	18
14	Cryovolcanic flooding in Viking Terra on Pluto. <i>Icarus</i> , 2021, 356, 113786.	2.5	9
15	Global compositional cartography of Pluto from intensity-based registration of LEISA data. <i>Icarus</i> , 2021, 356, 113833.	2.5	9
16	Distribution and energy balance of Pluto's nitrogen ice, as seen by New Horizons in 2015. <i>Icarus</i> , 2021, 356, 113633.	2.5	6
17	Constraints on Pluto's H and CH <sub>4</sub> profiles from New Horizons Alice Ly $\alpha$ observations. <i>Icarus</i> , 2021, 356, 113973.	2.5	2
18	A major ice component in Pluto's haze. <i>Nature Astronomy</i> , 2021, 5, 289-297.	10.1	19



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19	On the origin & thermal stability of Arrokoth's and Pluto's ices. <i>Icarus</i> , 2021, 356, 114072.	2.5	31
20	Modeling Pluto's minimum pressure: Implications for haze production. <i>Icarus</i> , 2021, 356, 114070.	2.5	10
21	Persephone: A Pluto-system Orbiter and Kuiper Belt Explorer. <i>Planetary Science Journal</i> , 2021, 2, 75.	3.6	7
22	Pluto's Haze Abundance and Size Distribution from Limb Scatter Observations by MVIC. <i>Planetary Science Journal</i> , 2021, 2, 91.	3.6	5
23	Pluto's Sputnik Planitia: Composition of geological units from infrared spectroscopy. <i>Icarus</i> , 2021, 359, 114303.	2.5	5
24	Charon's Far Side Geomorphology. <i>Planetary Science Journal</i> , 2021, 2, 141.	3.6	2
25	High-resolution radiometry of Pluto at 4.2 Å with New Horizons. <i>Icarus</i> , 2021, 363, 114430.	2.5	1
26	New Constraints on Pluto's Sputnik Planitia Ice Sheet from a Coupled Reorientation Climate Model. <i>Planetary Science Journal</i> , 2021, 2, 194.	3.6	5
27	New Horizons Observations of the Cosmic Optical Background. <i>Astrophysical Journal</i> , 2021, 906, 77.	4.5	42
28	The Dark Side of Pluto. <i>Planetary Science Journal</i> , 2021, 2, 214.	3.6	2
29	New Horizons Detection of the Local Galactic Lyman- $\alpha$ Background. <i>Astronomical Journal</i> , 2021, 162, 241.	4.7	7
30	Volatile evolution and atmospheres of Trans-Neptunian objects. , 2020, , 127-151.		3
31	The Pluto system after New Horizons. , 2020, , 271-288.		9
32	Charon: A Brief History of Tides. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2020JE006449.	3.6	4
33	New Horizons Observations of an Ultraviolet Stellar Occultation and Appulse by Pluto's Atmosphere. <i>Astronomical Journal</i> , 2020, 159, 26.	4.7	3
34	In-flight Performance and Calibration of the Long Range Reconnaissance Imager (LORRI) for the New Horizons Mission. <i>Publications of the Astronomical Society of the Pacific</i> , 2020, 132, 035003.	3.1	14
35	Color, composition, and thermal environment of Kuiper Belt object (486958) Arrokoth. <i>Science</i> , 2020, 367, .	12.6	64
36	The geology and geophysics of Kuiper Belt object (486958) Arrokoth. <i>Science</i> , 2020, 367, .	12.6	76



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37	The solar nebula origin of (486958) Arrokoth, a primordial contact binary in the Kuiper Belt. <i>Science</i> , 2020, 367, .	12.6	79
38	Disk-resolved Photometric Properties of Pluto and the Coloring Materials across its Surface. <i>Astronomical Journal</i> , 2020, 159, 74.	4.7	18
39	Pluto's Beating Heart Regulates the Atmospheric Circulation: Results From High-Resolution and Multiyear Numerical Climate Simulations. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2019JE006120.	3.6	16
40	Pluto's Ultraviolet Spectrum, Surface Reflectance, and Airglow Emissions. <i>Astronomical Journal</i> , 2020, 159, 274.	4.7	12
41	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
42	Pluto's Volatile and Climate Cycles on Short and Long Timescales. , 2020, , 1-1.		2
43	Suprathermal Ions in the Outer Heliosphere. <i>Astrophysical Journal</i> , 2019, 876, 46.	4.5	15
44	Phase Curves from the Kuiper Belt: Photometric Properties of Distant Kuiper Belt Objects Observed by New Horizons. <i>Astronomical Journal</i> , 2019, 158, 123.	4.7	14
45	The nature and origin of Charon's smooth plains. <i>Icarus</i> , 2019, 323, 16-32.	2.5	26
46	Geologic Landforms and Chronostratigraphic History of Charon as Revealed by a Hemispheric Geologic Map. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 155-174.	3.6	11
47	Detection of ammonia on Pluto's surface in a region of geologically recent tectonism. <i>Science Advances</i> , 2019, 5, eaav5731.	10.3	49
48	New Horizons Observations of the Atmosphere of Pluto. <i>Annual Review of Earth and Planetary Sciences</i> , 2019, 47, 119-140.	11.0	22
49	Initial results from the New Horizons exploration of 2014 MU <sub>69</sub> , a small Kuiper Belt object. <i>Science</i> , 2019, 364, .	12.6	113
50	Constraining the IMF at Pluto Using New Horizons SWAP Data and Hybrid Simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 1568-1581.	2.4	2
51	The CH <sub>4</sub> cycles on Pluto over seasonal and astronomical timescales. <i>Icarus</i> , 2019, 329, 148-165.	2.5	38
52	Recent cryovolcanism in Virgil Fossae on Pluto. <i>Icarus</i> , 2019, 330, 155-168.	2.5	45
53	Impact craters on Pluto and Charon indicate a deficit of small Kuiper belt objects. <i>Science</i> , 2019, 363, 955-959.	12.6	116
54	New Horizons Photometry of Pluto's Moon Charon. <i>Astrophysical Journal Letters</i> , 2019, 874, L3.	8.3	8



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55	Prebiotic Chemistry of Pluto. <i>Astrobiology</i> , 2019, 19, 831-848.	3.0	26
56	Pluto's Interaction With Energetic Heliospheric Ions. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 7413-7424.	2.4	4
57	The distribution of H <sub>2</sub> O, CH <sub>3</sub> OH, and hydrocarbon-ices on Pluto: Analysis of New Horizons spectral images. <i>Icarus</i> , 2019, 331, 148-169.	2.5	21
58	Washboard and fluted terrains on Pluto as evidence for ancient glaciation. <i>Nature Astronomy</i> , 2019, 3, 62-68.	10.1	10
59	Ongoing resurfacing of KBO Eris by volatile transport in local, collisional, sublimation atmosphere regime. <i>Icarus</i> , 2019, 334, 52-61.	2.5	15
60	Radio thermal emission from Pluto and Charon during the New Horizons encounter. <i>Icarus</i> , 2019, 322, 192-209.	2.5	8
61	Lower atmosphere and pressure evolution on Pluto from ground-based stellar occultations, 1988–2016. <i>Astronomy and Astrophysics</i> , 2019, 625, A42.	5.1	29
62	An upper limit on Pluto's ionosphere from radio occultation measurements with New Horizons. <i>Icarus</i> , 2018, 307, 17-24.	2.5	30
63	The nitrogen cycles on Pluto over seasonal and astronomical timescales. <i>Icarus</i> , 2018, 309, 277-296.	2.5	54
64	Albedo matters: Understanding runaway albedo variations on Pluto. <i>Icarus</i> , 2018, 303, 1-9.	2.5	17
65	Phase Curves of Nix and Hydra from the New Horizons Imaging Cameras. <i>Astrophysical Journal Letters</i> , 2018, 852, L35.	8.3	6
66	The New Horizons and Hubble Space Telescope search for rings, dust, and debris in the Pluto-Charon system. <i>Icarus</i> , 2018, 301, 155-172.	2.5	11
67	Bladed Terrain on Pluto: Possible origins and evolution. <i>Icarus</i> , 2018, 300, 129-144.	2.5	47
68	Ices on Charon: Distribution of H <sub>2</sub> O and NH <sub>3</sub> from New Horizons LEISA observations. <i>Icarus</i> , 2018, 300, 21-32.	2.5	38
69	Structure and composition of Pluto's atmosphere from the New Horizons solar ultraviolet occultation. <i>Icarus</i> , 2018, 300, 174-199.	2.5	90
70	A search for temporal changes on Pluto and Charon. <i>Icarus</i> , 2018, 302, 273-284.	2.5	12
71	Investigation of Charon's Craters With Abrupt Terminus Ejecta, Comparisons With Other Icy Bodies, and Formation Implications. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 20-36.	3.6	9
72	The Pluto System After <i>New Horizons</i>. <i>Annual Review of Astronomy and Astrophysics</i> , 2018, 56, 357-392.	24.3	72



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73	Determining the Alpha to Proton Density Ratio for the New Horizons Solar Wind Observations. <i>Astrophysical Journal</i> , 2018, 866, 85.	4.5	10
74	Composition of Pluto's small satellites: Analysis of New Horizons spectral images. <i>Icarus</i> , 2018, 315, 30-45.	2.5	49
75	Breaking up is hard to do: Global cartography and topography of Pluto's mid-sized icy Moon Charon from New Horizons. <i>Icarus</i> , 2018, 315, 124-145.	2.5	29
76	K2 precision lightcurve: Twelve days in the Pluto-Charon system. <i>Icarus</i> , 2018, 314, 265-273.	2.5	6
77	Great Expectations: Plans and Predictions for New Horizons Encounter With Kuiper Belt Object 2014 MU <sub>69</sub> (â€œUltima Thuleâ€). <i>Geophysical Research Letters</i> , 2018, 45, 8111-8120.	4.0	14
78	The Lyman- $\alpha$ Sky Background as Observed by New Horizons. <i>Geophysical Research Letters</i> , 2018, 45, 8022-8028.	4.0	19
79	Pluto's haze as a surface material. <i>Icarus</i> , 2018, 314, 232-245.	2.5	50
80	Methane distribution on Pluto as mapped by the New Horizons Ralph/MVIC instrument. <i>Icarus</i> , 2018, 314, 195-209.	2.5	14
81	Basins, fractures and volcanoes: Global cartography and topography of Pluto from New Horizons. <i>Icarus</i> , 2018, 314, 400-433.	2.5	75
82	Inflight radiometric calibration of New Horizons's Multispectral Visible Imaging Camera (MVIC). <i>Icarus</i> , 2017, 287, 140-151.	2.5	14
83	Geological mapping of Sputnik Planitia on Pluto. <i>Icarus</i> , 2017, 287, 261-286.	2.5	52
84	Modeling glacial flow on and onto Pluto's Sputnik Planitia. <i>Icarus</i> , 2017, 287, 301-319.	2.5	38
85	Haze in Pluto's atmosphere. <i>Icarus</i> , 2017, 290, 112-133.	2.5	72
86	Pluto: Pits and mantles on uplands north and east of Sputnik Planitia. <i>Icarus</i> , 2017, 293, 218-230.	2.5	24
87	Radio occultation measurements of Pluto's neutral atmosphere with New Horizons. <i>Icarus</i> , 2017, 290, 96-111.	2.5	74
88	Charon tectonics. <i>Icarus</i> , 2017, 287, 161-174.	2.5	30
89	Physical state and distribution of materials at the surface of Pluto from New Horizons LEISA imaging spectrometer. <i>Icarus</i> , 2017, 287, 229-260.	2.5	99
90	Past epochs of significantly higher pressure atmospheres on Pluto. <i>Icarus</i> , 2017, 287, 47-53.	2.5	54



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91	Measuring temperature and ammonia hydrate ice on Charon in 2015 from Keck/OSIRIS spectra. <i>Icarus</i> , 2017, 284, 394-406.	2.5	15
92	Pluto's global surface composition through pixel-by-pixel Hapke modeling of New Horizons Ralph/LEISA data. <i>Icarus</i> , 2017, 287, 218-228.	2.5	95
93	The Global Color of Pluto from New Horizons. <i>Astronomical Journal</i> , 2017, 154, 258.	4.7	25
94	New Horizons Upper Limits on $O_2$ in Pluto's Present Day Atmosphere. <i>Astronomical Journal</i> , 2017, 154, 55.	4.7	7
95	Constraints on the microphysics of Pluto's photochemical haze from New Horizons observations. <i>Icarus</i> , 2017, 287, 116-123.	2.5	73
96	Global albedos of Pluto and Charon from LORRI New Horizons observations. <i>Icarus</i> , 2017, 287, 207-217.	2.5	82
97	Climate zones on Pluto and Charon. <i>Icarus</i> , 2017, 287, 30-36.	2.5	34
98	Sublimation as a landform-shaping process on Pluto. <i>Icarus</i> , 2017, 287, 320-333.	2.5	51
99	Mean radius and shape of Pluto and Charon from New Horizons images. <i>Icarus</i> , 2017, 287, 12-29.	2.5	105
100	Present and past glaciation on Pluto. <i>Icarus</i> , 2017, 287, 287-300.	2.5	43
101	Long-term surface temperature modeling of Pluto. <i>Icarus</i> , 2017, 287, 37-46.	2.5	55
102	The photochemistry of Pluto's atmosphere as illuminated by New Horizons. <i>Icarus</i> , 2017, 287, 110-115.	2.5	75
103	Charon's light curves, as observed by New Horizons's Ralph color camera (MVIC) on approach to the Pluto system. <i>Icarus</i> , 2017, 287, 152-160.	2.5	2
104	New Horizons constraints on Charon's present day atmosphere. <i>Icarus</i> , 2017, 287, 124-130.	2.5	32
105	Craters of the Pluto-Charon system. <i>Icarus</i> , 2017, 287, 187-206.	2.5	59
106	Origin of the Pluto-Charon system: Constraints from the New Horizons flyby. <i>Icarus</i> , 2017, 287, 2-11.	2.5	99
107	Volatile transport on inhomogeneous surfaces: II. Numerical calculations (VT3D). <i>Icarus</i> , 2017, 284, 443-476.	2.5	10
108	The rapid formation of Sputnik Planitia early in Pluto's history. <i>Nature</i> , 2016, 540, 97-99.	27.8	34



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109	INTERPLANETARY MAGNETIC FIELD SECTOR FROM SOLAR WIND AROUND PLUTO (SWAP) MEASUREMENTS OF HEAVY ION PICKUP NEAR PLUTO. <i>Astrophysical Journal Letters</i> , 2016, 823, L30.	8.3	13
110	THE FIRST HIGH-PHASE OBSERVATIONS OF A KBO: NEW HORIZONS IMAGING OF (15810) 1994 JR <sub>1</sub> FROM THE KUIPER BELT. <i>Astrophysical Journal Letters</i> , 2016, 828, L15.	8.3	14
111	Reorientation of Sputnik Planitia implies a subsurface ocean on Pluto. <i>Nature</i> , 2016, 540, 94-96.	27.8	108
112	The formation of Charon's red poles from seasonally cold-trapped volatiles. <i>Nature</i> , 2016, 539, 65-68.	27.8	44
113	Pluto's interaction with the solar wind. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 4232-4246.	2.4	32
114	Convection in a volatile nitrogen-ice-rich layer drives Pluto's geological vigour. <i>Nature</i> , 2016, 534, 82-85.	27.8	102
115	The atmosphere of Pluto as observed by New Horizons. <i>Science</i> , 2016, 351, aad8866.	12.6	201
116	Pluto's interaction with its space environment: Solar wind, energetic particles, and dust. <i>Science</i> , 2016, 351, aad9045.	12.6	60
117	The small satellites of Pluto as observed by New Horizons. <i>Science</i> , 2016, 351, aae0030.	12.6	78
118	The geology of Pluto and Charon through the eyes of New Horizons. <i>Science</i> , 2016, 351, 1284-1293.	12.6	219
119	Surface compositions across Pluto and Charon. <i>Science</i> , 2016, 351, aad9189.	12.6	242
120	VOLATILE LOSS AND CLASSIFICATION OF KUIPER BELT OBJECTS. <i>Astrophysical Journal</i> , 2015, 809, 43.	4.5	27
121	The Pluto system: Initial results from its exploration by New Horizons. <i>Science</i> , 2015, 350, aad1815.	12.6	407
122	Pluto's climate modeled with new observational constraints. <i>Icarus</i> , 2015, 246, 183-191.	2.5	50
123	Gas transfer in the Pluto-Charon system: A Charon atmosphere. <i>Icarus</i> , 2015, 246, 291-297.	2.5	24
124	Seasonal variations in Pluto's atmospheric tides. <i>Icarus</i> , 2015, 246, 247-267.	2.5	10
125	Evidence that Pluto's atmosphere does not collapse from occultations including the 2013 May 04 event. <i>Icarus</i> , 2015, 246, 220-225.	2.5	49
126	Evidence for longitudinal variability of ethane ice on the surface of Pluto. <i>Icarus</i> , 2014, 243, 104-110.	2.5	18



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127	Gravity waves in Titan's lower stratosphere from Huygens probe in situ temperature measurements. Icarus, 2014, 227, 49-55.	2.5	14
128	Near-infrared spectral monitoring of Pluto's ices II: Recent decline of CO and N <sub>2</sub> ice absorptions. Icarus, 2014, 235, 220-224.	2.5	17
129	Near-infrared spectral monitoring of Pluto's ices: Spatial distribution and secular evolution. Icarus, 2013, 223, 710-721.	2.5	70
130	PLUTO'S SEASONS: NEW PREDICTIONS FOR NEW HORIZONS. Astrophysical Journal Letters, 2013, 766, L22.	8.3	96
131	Volatile transport on inhomogeneous surfaces: I. Analytic expressions, with application to Pluto's day. Icarus, 2012, 221, 80-88.	2.5	28
132	New Horizons Alice ultraviolet observations of a stellar occultation by Jupiter's atmosphere. Icarus, 2010, 208, 293-305.	2.5	20
133	PLUTO AND CHARON WITH THE HUBBLE SPACE TELESCOPE. II. RESOLVING CHANGES ON PLUTO'S SURFACE AND A MAP FOR CHARON. Astronomical Journal, 2010, 139, 1128-1143.	4.7	69
134	PLUTO AND CHARON WITH THE HUBBLE SPACE TELESCOPE. I. MONITORING GLOBAL CHANGE AND IMPROVED SURFACE PROPERTIES FROM LIGHT CURVES. Astronomical Journal, 2010, 139, 1117-1127.	4.7	49
135	RAPID COMPUTATION OF OCCULTATION LIGHTCURVES USING FOURIER DECOMPOSITION. Astronomical Journal, 2009, 137, 3398-3403.	4.7	3
136	New Horizons: Encountering Pluto and KBOs. Proceedings of the International Astronomical Union, 2009, 5, 305-311.	0.0	3
137	Ralph: A Visible/Infrared Imager for the New Horizons Pluto/Kuiper Belt Mission. , 2009, , 129-154.		3
138	Ralph: A Visible/Infrared Imager for the New Horizons Pluto/Kuiper Belt Mission. Space Science Reviews, 2008, 140, 129-154.	8.1	141
139	Overview of the New Horizons Science Payload. Space Science Reviews, 2008, 140, 75-91.	8.1	50
140	ALICE: The Ultraviolet Imaging Spectrograph Aboard the New Horizons Pluto-Kuiper Belt Mission. Space Science Reviews, 2008, 140, 155-187.	8.1	111
141	New Horizons: Anticipated Scientific Investigations at the Pluto System. Space Science Reviews, 2008, 140, 93-127.	8.1	74
142	VERTICAL STRUCTURE IN PLUTO'S ATMOSPHERE FROM THE 2006 JUNE 12 STELLAR OCCULTATION. Astronomical Journal, 2008, 136, 1757-1769.	4.7	79
143	Polar Lightning and Decadal-Scale Cloud Variability on Jupiter. Science, 2007, 318, 226-229.	12.6	52
144	Pluto's Spectrum from 1.0 to 4.2 $\mu$ m: Implications for Surface Properties. Astronomical Journal, 2007, 133, 420-431.	4.7	47



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145	Jupiter's Nightside Airglow and Aurora. <i>Science</i> , 2007, 318, 229-231.	12.6	24
146	Io's Atmospheric Response to Eclipse: UV Aurorae Observations. <i>Science</i> , 2007, 318, 237-240.	12.6	41
147	Jupiter Cloud Composition, Stratification, Convection, and Wave Motion: A View from New Horizons. <i>Science</i> , 2007, 318, 223-225.	12.6	48
148	New Constraints on Additional Satellites of the Pluto System. <i>Astronomical Journal</i> , 2006, 132, 614-619.	4.7	17
149	Discovery of two new satellites of Pluto. <i>Nature</i> , 2006, 439, 943-945.	27.8	148
150	A giant impact origin for Pluto's small moons and satellite multiplicity in the Kuiper belt. <i>Nature</i> , 2006, 439, 946-948.	27.8	108
151	Orbits and Photometry of Pluto's Satellites: Charon, S/2005 P1, and S/2005 P2. <i>Astronomical Journal</i> , 2006, 132, 290-298.	4.7	90
152	Gravity waves in Jupiter's stratosphere, as measured by the Galileo ASI experiment. <i>Icarus</i> , 2005, 173, 185-199.	2.5	31
153	Near-infrared spectral monitoring of Triton with IRTF/SpEX I: establishing a baseline for rotational variability. <i>Icarus</i> , 2004, 172, 455-465.	2.5	33
154	Finding KBO Flyby Targets for New Horizons. <i>Earth, Moon and Planets</i> , 2003, 92, 483-491.	0.6	10
155	Stellar Occultation Observations of Saturn's North-Polar Temperature Structure. <i>Icarus</i> , 1998, 132, 298-310.	2.5	14
156	Thermal structure of Jupiter's atmosphere near the edge of a 5-1¼m hot spot in the north equatorial belt. <i>Journal of Geophysical Research</i> , 1998, 103, 22857-22889.	3.3	304
157	Thermal Structure of Jupiter's Upper Atmosphere Derived from the Galileo Probe. <i>Science</i> , 1997, 276, 102-104.	12.6	88
158	Gravity Waves in Jupiter's Thermosphere. <i>Science</i> , 1997, 276, 108-111.	12.6	102
159	Detection of Gaseous Methane on Pluto. <i>Icarus</i> , 1997, 127, 258-262.	2.5	81
160	The Thermal Structure of Triton's Atmosphere: Results from the 1993 and 1995 Occultations. <i>Icarus</i> , 1997, 129, 178-201.	2.5	52
161	Surface Ices and the Atmospheric Composition of Pluto. <i>Science</i> , 1993, 261, 745-748.	12.6	358
162	Analysis of stellar occultation data for planetary atmospheres. I - Model fitting, with application to Pluto. <i>Astronomical Journal</i> , 1992, 103, 991.	4.7	116



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163	Limits on the radius and a possible atmosphere of Charon from its 1980 stellar occultation. Icarus, 1991, 89, 244-254.	2.5	22
164	Pluto's atmosphere. Icarus, 1989, 77, 148-170.	2.5	171