Kevin Baines

List of Publications by Year in descending order

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44444 71088 6,997 121 50 80 citations h-index g-index papers 122 122 122 2956 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Saturn's Weatherâ€Driven Aurorae Modulate Oscillations in the Magnetic Field and Radio Emissions. Geophysical Research Letters, 2022, 49, .	1.5	9
2	Convective storms in closed cyclones in Jupiter's South Temperate Belt: (I) observations. Icarus, 2022, 380, 114994.	1.1	5
3	Investigation of Venus Cloud Aerosol and Gas Composition Including Potential Biogenic Materials via an Aerosol-Sampling Instrument Package. Astrobiology, 2021, 21, 1316-1323.	1.5	14
4	Venus, an Astrobiology Target. Astrobiology, 2021, 21, 1163-1185.	1.5	38
5	Vertical Structure and Color of Jovian Latitudinal Cloud Bands during the Juno Era. Planetary Science Journal, 2021, 2, 16.	1.5	7
6	Occultation observations of Saturn's rings with Cassini VIMS. Icarus, 2020, 344, 113356.	1.1	6
7	Spatio-temporal Variation of Bright Ephemeral Features on Titan's North Pole. Planetary Science Journal, 2020, 1, 31.	1.5	7
8	Local-time averaged maps of H ₃ ⁺ emission, temperature and ion winds. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180405.	1.6	11
9	Observations of the chemical and thermal response of â€~ring rain' on Saturn's ionosphere. Icarus, 2019, 322, 251-260.	1.1	22
10	Observational Evidence for Summer Rainfall at Titan's North Pole. Geophysical Research Letters, 2019, 46, 1205-1212.	1.5	14
11	Observational evidence for active dust storms on Titan at equinox. Nature Geoscience, 2018, 11, 727-732.	5.4	18
12	The Eye of Saturn's North Polar Vortex: Unexpected Cloud Structures Observed at High Spatial Resolution by Cassini/VIMS. Geophysical Research Letters, 2018, 45, 5867-5875.	1.5	6
13	The Search for Activity on Dione and Tethys With <i>Cassini</i> VIMS and UVIS. Geophysical Research Letters, 2018, 45, 5860-5866.	1.5	4
14	Saturn's Global Zonal Winds Explored by Cassini/VIMS 5â€Î¾m Images. Geophysical Research Letters, 2018, 45, 6823-6831.	1.5	11
15	An isolated, bright cusp aurora at Saturn. Journal of Geophysical Research: Space Physics, 2017, 122, 6121-6138.	0.8	9
16	Redetection of the Ionospheric Signature of Saturn's "Ring Rain― Geophysical Research Letters, 2017, 44, 11,762.	1.5	16
17	Meridional variation in tropospheric methane on Titan observed with AO spectroscopy at Keck and VLT. Icarus, 2016, 270, 376-388.	1.1	24
18	Cassini's geological and compositional view of Tethys. Icarus, 2016, 274, 1-22.	1.1	13

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19	Vortices in Saturn's Northern Hemisphere (2008–2015) observed by Cassini ISS. Journal of Geophysical Research E: Planets, 2016, 121, 1814-1826.	1.5	9
20	Ground-based observations of Saturn's auroral ionosphere over three days: Trends in <mml:math altimg="si3.gif" overflow="scroll" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msubsup><mml:mrow><mml:mtext>H</mml:mtext></mml:mrow><mml 2016,="" 263,="" 44-55.<="" and="" density="" emission="" icarus,="" local="" oscillation.="" period="" planetary="" saturn="" td="" temperature,="" time="" with=""><td>:mrawi><m< td=""><td>ıml:13n>3</td></m<></td></mml></mml:msubsup></mml:mrow></mml:math>	:mrawi> <m< td=""><td>ıml:13n>3</td></m<>	ıml :13 n>3
21	Spectral properties of Titan's impact craters imply chemical weathering of its surface. Geophysical Research Letters, 2015, 42, 3746-3754.	1.5	36
22	Cassini VIMS observations of H 3 + emission on the nightside of Jupiter. Journal of Geophysical Research: Space Physics, 2015, 120, 6948-6973.	0.8	12
23	Saturn's giant storm and global radiant energy. Geophysical Research Letters, 2015, 42, 2144-2148.	1.5	12
24	Dynamic auroral storms on Saturn as observed by the Hubble Space Telescope. Geophysical Research Letters, 2014, 41, 3323-3330.	1.5	43
25	Conjugate observations of Saturna ("s northern and southern <mml:math altimg="si22.gif" overflow="scroll" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msubsup><mml:mrow><mml:mi mathvariant="normal">H</mml:mi></mml:mrow><mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><m< td=""><td>1.1 bw><mml:n< td=""><td>29 no>+</td></mml:n<></td></m<></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:msubsup></mml:mrow></mml:math>	1.1 bw> <mml:n< td=""><td>29 no>+</td></mml:n<>	29 no>+
26	Transient features in a Titan sea. Nature Geoscience, 2014, 7, 493-496.	5.4	43
27	Cassini/VIMS observes rough surfaces on Titan's Punga Mare in specular reflection. Planetary Science, 2014, 3, 3.	1.5	31
28	Evidence of Titan's climate history from evaporite distribution. Icarus, 2014, 243, 191-207.	1.1	62
29	Precipitation-induced surface brightenings seen on Titan by Cassini VIMS and ISS. Planetary Science, 2013, 2, .	1.5	45
30	Saturn's Great Storm of 2010–2011: Evidence for ammonia and water ices from analysis of VIMS spectra. Icarus, 2013, 226, 402-418.	1.1	50
31	An observed correlation between plume activity and tidal stresses on Enceladus. Nature, 2013, 500, 182-184.	13.7	136
32	The temporal evolution of the July 2009 Jupiter impact cloud. Planetary and Space Science, 2013, 77, 25-39.	0.9	3
33	The temperature and width of an active fissure on Enceladus measured with Cassini VIMS during the 14 April 2012 South Pole flyover. Icarus, 2013, 226, 1128-1137.	1.1	69
34	The domination of Saturn's low-latitude ionosphere by ring â€~rain'. Nature, 2013, 496, 193-195.	13.7	70
35	A TRANSMISSION SPECTRUM OF TITAN'S NORTH POLAR ATMOSPHERE FROM A SPECULAR REFLECTION OF THE SUN. Astrophysical Journal, 2013, 777, 161.	1.6	23
36	Temperature changes and energy inputs in giant planet atmospheres: what we are learning from H ₃ ⁺ . Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2012, 370, 5213-5224.	1.6	29

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37	Peak emission altitude of Saturn's H ₃ ⁺ aurora. Geophysical Research Letters, 2012, 39, .	1.5	25
38	Rotational modulation and local time dependence of Saturn's infrared H $<$ sub $>3<$ /sub $><$ sup $>+<$ /sup $>$ auroral intensity. Journal of Geophysical Research, 2012, 117, .	3.3	33
39	Global mapping of Titan′s surface using an empirical processing method for the atmospheric and photometric correction of Cassini/VIMS images. Planetary and Space Science, 2012, 73, 178-190.	0.9	24
40	Modeling specular reflections from hydrocarbon lakes on Titan. Icarus, 2012, 220, 744-751.	1.1	31
41	<i>CASSINI</i> VIMS OBSERVATIONS SHOW ETHANE IS PRESENT IN TITAN'S RAINFALL. Astrophysical Journal Letters, 2012, 761, L24.	3.0	10
42	Uranus Pathfinder: exploring the origins and evolution of Ice Giant planets. Experimental Astronomy, 2012, 33, 753-791.	1.6	44
43	The 2010 European Venus Explorer (EVE) mission proposal. Experimental Astronomy, 2012, 33, 305-335.	1.6	20
44	Quantification of middle and lower cloud variability and mesoscale dynamics from Venus Express/VIRTIS observations at 1.74î¼m. Icarus, 2012, 217, 615-628.	1.1	19
45	The surface composition of lapetus: Mapping results from Cassini VIMS. Icarus, 2012, 218, 831-860.	1.1	136
46	Dissipation of Titan's north polar cloud at northern spring equinox. Planetary and Space Science, 2012, 60, 86-92.	0.9	33
47	The Saturnian satellite Rhea as seen by Cassini VIMS. Planetary and Space Science, 2012, 61, 142-160.	0.9	38
48	Saturn's tropospheric composition and clouds from Cassini/VIMS 4.6–5.1μm nightside spectroscopy. Icarus, 2011, 214, 510-533.	1.1	84
49	Organic sedimentary deposits in Titan's dry lakebeds: Probable evaporite. Icarus, 2011, 216, 136-140.	1.1	96
50	Cassini VIMS observations of latitudinal and hemispheric variations in Saturn's infrared auroral intensity. Icarus, 2011, 216, 367-375.	1.1	23
51	Wave constraints for Titan's Jingpo Lacus and Kraken Mare from VIMS specular reflection lightcurves. Icarus, 2011, 211, 722-731.	1.1	38
52	Thermal Structure and Dynamics of Saturn's Northern Springtime Disturbance. Science, 2011, 332, 1413-1417.	6.0	75
53	Equatorial winds on Saturn and the stratosphericÂoscillation. Nature Geoscience, 2011, 4, 750-752.	5.4	16
54	Detection and mapping of hydrocarbon deposits on Titan. Journal of Geophysical Research, 2010, 115, .	3.3	147

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55	Carbon dioxide on the satellites of Saturn: Results from the Cassini VIMS investigation and revisions to the VIMS wavelength scale. Icarus, 2010, 206, 561-572.	1.1	78
56	Dione's spectral and geological properties. Icarus, 2010, 206, 631-652.	1.1	61
57	Latitudinal variations in Titan's methane and haze from Cassini VIMS observations. Icarus, 2010, 206, 352-365.	1.1	28
58	Atmospheric control of the cooling rate of impact melts and cryolavas on Titan's surface. Icarus, 2010, 208, 887-895.	1.1	14
59	Geology of the Selk crater region on Titan from Cassini VIMS observations. Icarus, 2010, 208, 905-912.	1.1	44
60	Specular reflection on Titan: Liquids in Kraken Mare. Geophysical Research Letters, 2010, 37, .	1.5	69
61	Systematic detection of Titan's clouds in VIMS/Cassini hyperspectral images using a new automated algorithm. , 2010, , .		0
62	CHARACTERIZATION OF CLOUDS IN TITAN'S TROPICAL ATMOSPHERE. Astrophysical Journal, 2009, 702, L105-L109.	1.6	35
63	VIMS spectral mapping observations of Titan during the Cassini prime mission. Planetary and Space Science, 2009, 57, 1950-1962.	0.9	28
64	Storm clouds on Saturn: Lightning-induced chemistry and associated materials consistent with Cassini/VIMS spectra. Planetary and Space Science, 2009, 57, 1650-1658.	0.9	43
65	Saturn's north polar cyclone and hexagon at depth revealed by Cassini/VIMS. Planetary and Space Science, 2009, 57, 1671-1681.	0.9	85
66	The geology of Hotei Regio, Titan: Correlation of Cassini VIMS and RADAR. Icarus, 2009, 204, 610-618.	1.1	62
67	European Venus Explorer (EVE): an in-situ mission to Venus. Experimental Astronomy, 2009, 23, 741-760.	1.6	9
68	TandEM: Titan and Enceladus mission. Experimental Astronomy, 2009, 23, 893-946.	1.6	77
69	Global circulation as the main source of cloud activity on Titan. Nature, 2009, 459, 678-682.	13.7	76
70	Shoreline features of Titan's Ontario Lacus from Cassini/VIMS observations. Icarus, 2009, 201, 217-225.	1.1	69
71	Saturn's south polar vortex compared to other large vortices in the Solar System. Icarus, 2009, 202, 240-248.	1.1	50
72	Compositional mapping of Saturn's satellite Dione with Cassini VIMS and implications of dark material in the Saturn system. Icarus, 2008, 193, 372-386.	1.1	135

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73	A close look at Saturn's rings with Cassini VIMS. Icarus, 2008, 193, 182-212.	1.1	113
74	Spectroscopy, morphometry, and photoclinometry of Titan's dunefields from Cassini/VIMS. Icarus, 2008, 195, 400-414.	1.1	125
75	Fluvial erosion and post-erosional processes on Titan. Icarus, 2008, 197, 526-538.	1.1	88
76	Semi-annual oscillations in Saturn's low-latitude stratospheric temperatures. Nature, 2008, 453, 196-199.	13.7	77
77	The identification of liquid ethane in Titan's Ontario Lacus. Nature, 2008, 454, 607-610.	13.7	254
78	Complex structure within Saturn's infrared aurora. Nature, 2008, 456, 214-217.	13.7	42
79	CHANGING CHARACTERISTICS OF JUPITER'S LITTLE RED SPOT. Astronomical Journal, 2008, 135, 2446-2452.	1.9	33
80	Polar Lightning and Decadal-Scale Cloud Variability on Jupiter. Science, 2007, 318, 226-229.	6.0	52
81	Self-Gravity Wake Structures in Saturn's A Ring Revealed by Cassini VIMS. Astronomical Journal, 2007, 133, 2624-2629.	1.9	92
82	Jupiter Cloud Composition, Stratification, Convection, and Wave Motion: A View from New Horizons. Science, 2007, 318, 223-225.	6.0	48
83	Global-scale surface spectral variations on Titan seen from Cassini/VIMS. Icarus, 2007, 186, 242-258.	1.1	110
84	Saturn's dynamic D ring. Icarus, 2007, 188, 89-107.	1.1	50
85	Correlations between Cassini VIMS spectra and RADAR SAR images: Implications for Titan's surface composition and the character of the Huygens Probe Landing Site. Planetary and Space Science, 2007, 55, 2025-2036.	0.9	168
86	Surface composition of Hyperion. Nature, 2007, 448, 54-56.	13.7	56
87	A dynamic upper atmosphere of Venus as revealed by VIRTIS on Venus Express. Nature, 2007, 450, 641-645.	13.7	95
88	South-polar features on Venus similar to those near the north pole. Nature, 2007, 450, 637-640.	13.7	110
89	To the depths of Venus: Exploring the deep atmosphere and surface of our sister world with Venus Express. Planetary and Space Science, 2006, 54, 1263-1278.	0.9	26
90	On the discovery of CO nighttime emissions on Titan by Cassini/VIMS: Derived stratospheric abundances and geological implications. Planetary and Space Science, 2006, 54, 1552-1562.	0.9	27

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91	Evidence for a Polar Ethane Cloud on Titan. Science, 2006, 313, 1620-1622.	6.0	161
92	Composition and Physical Properties of Enceladus' Surface. Science, 2006, 311, 1425-1428.	6.0	199
93	Cassini Visual and Infrared Mapping Spectrometer Observations of lapetus: Detection of CO 2. Astrophysical Journal, 2005, 622, L149-L152.	1.6	94
94	A 5-Micron-Bright Spot on Titan: Evidence for Surface Diversity. Science, 2005, 310, 92-95.	6.0	78
95	Compositional maps of Saturn's moon Phoebe from imaging spectroscopy. Nature, 2005, 435, 66-69.	13.7	155
96	Release of volatiles from a possible cryovolcano from near-infrared imaging of Titan. Nature, 2005, 435, 786-789.	13.7	208
97	The Cassini Visual And Infrared Mapping Spectrometer (Vims) Investigation. Space Science Reviews, 2004, 115, 111-168.	3.7	369
98	Fresh Ammonia Ice Clouds in Jupiter. Icarus, 2002, 159, 74-94.	1,1	92
99	Near-Infrared Observations of Neptune's Tropospheric Cloud Layer with the Lick Observatory Adaptive Optics System. Astronomical Journal, 2001, 122, 1636-1643.	1.9	11
100	Detection of Sub-Micron Radiation from the Surface of Venus by Cassini/VIMS. Icarus, 2000, 148, 307-311.	1.1	62
101	Near-Infrared Absolute Photometric Imaging of the Uranian System. Icarus, 1998, 132, 266-284.	1.1	31
102	The Abundances of Methane and Ortho/Para Hydrogen on Uranus and Neptune: Implications of New Laboratory 4-0 H2 Quadrupole Line Parameters. Icarus, 1995, 114, 328-340.	1.1	115
103	Impact debris particles in Jupiter's stratosphere. Science, 1995, 267, 1296-1301.	6.0	109
104	Galileo infrared observations of the Shoemaker-Levy 9 G Impact Fireball: A Preliminary report. Geophysical Research Letters, 1995, 22, 1557-1560.	1.5	47
105	Clouds, Hazes, and the Stratospheric Methane Abundance in Neptune. Icarus, 1994, 109, 20-39.	1.1	68
106	Spatial Organization and Time Dependence of Jupiter's Tropospheric Temperatures, 1980-1993. Science, 1994, 265, 625-631.	6.0	58
107	Impact winter and the Cretaceous/Tertiary extinctions: Results of a Chicxulub asteroid impact model. Earth and Planetary Science Letters, 1994, 128, 719-725.	1.8	149
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110	Absorption coefficients for the 6190-à CH4 band between 290 and 100°K with application to Uranus' atmosphere. Icarus, 1990, 85, 58-64.	1.1	25
111	The atmospheric structure and dynamical properties of Neptune derived from ground-based and IUE spectrophotometry. Icarus, 1990, 85, 65-108.	1.1	79
112	H2 S3(1) and S4(1) transitions in the atmospheres of Neptune and Uranus: Observations and analysis. Icarus, 1990, 85, 109-119.	1.1	9
113	Calibration of the 7- to 14-Î1/4m brightness spectra of Uranus and Neptune. Icarus, 1990, 85, 257-265.	1.1	25
114	D/H for Uranus and Neptune. Astrophysical Journal, 1989, 336, 962.	1.6	20
115	The D/H ratio for Jupiter. Astrophysical Journal, 1989, 336, 967.	1.6	25
116	Limits on the diurnal variation of H2 quadrupole features in Neptune. Astrophysical Journal, 1989, 343, 450.	1.6	4
117	Infrared radiometry of Uranus and Neptune at 21 and 32 νm. Icarus, 1987, 69, 230-238.	1.1	8
118	The structure of the Uranian atmosphere: Constraints from the geometric albedo spectrum and H2 and CH4 line profiles. Icarus, 1986, 65, 406-441.	1.1	69
119	Estimates of the bolometric albedos and radiation balance of Uranus and Neptune. Icarus, 1986, 65, 442-466.	1.1	75
120	High-resolution observations of the 6815-Ã band of methane in the major planets. Icarus, 1983, 56, 534-542.	1.1	13
121	Interpretation of the 6818.9-Ã methane feature observed on Jupiter, Saturn, and Uranus. Icarus, 1983, 56, 543-559.	1.1	25