

Robert A West

List of Publications by Year in descending order

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53
papers

4,035
citations

201385

27
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182168

51
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all docs

53
docs citations

53
times ranked

2145
citing authors

#	ARTICLE	IF	CITATIONS
1	Science goals and new mission concepts for future exploration of Titan's atmosphere, geology and habitability: titan POLar scout/orbitEr and in situ lake lander and DrONE explorer (POSEIDON). <i>Experimental Astronomy</i> , 2022, 54, 911-973.	1.6	5
2	Haze Seasonal Variations of Titan's Upper Atmosphere during the Cassini Mission. <i>Astrophysical Journal</i> , 2021, 907, 36.	1.6	11
3	Detection of an Atmosphere on a Rocky Exoplanet. <i>Astronomical Journal</i> , 2021, 161, 213.	1.9	50
4	Disequilibrium Chemistry in Exoplanet Atmospheres Observed with the Hubble Space Telescope. <i>Astronomical Journal</i> , 2021, 162, 37.	1.9	22
5	Detection of Aerosols at Microbar Pressures in an Exoplanet Atmosphere. <i>Astronomical Journal</i> , 2021, 162, 91.	1.9	9
6	Titan's Global Radiant Energy Budget During the Cassini Epoch (2004-2017). <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095356.	1.5	3
7	End-of-mission calibration of the Cassini Imaging Science Subsystem. <i>Planetary and Space Science</i> , 2020, 185, 104898.	0.9	6
8	Cassini UVIS Detection of Saturn's North Polar Hexagon in the Grand Finale Orbits. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 1979-1988.	1.5	5
9	Seasonal Variations of Titan's Brightness. <i>Geophysical Research Letters</i> , 2019, 46, 13649-13657.	1.5	4
10	Titan's cold case files - Outstanding questions after Cassini-Huygens. <i>Planetary and Space Science</i> , 2018, 155, 50-72.	0.9	37
11	The opposition effect in Saturn's main rings as seen by Cassini ISS: 4. Correlations of the surge morphology with surface albedos and VIMS spectral properties. <i>Icarus</i> , 2018, 305, 324-349.	1.1	4
12	Supersaturation on Pluto and elsewhere. <i>Icarus</i> , 2018, 312, 36-44.	1.1	9
13	The seasonal cycle of Titan's detached haze. <i>Nature Astronomy</i> , 2018, 2, 495-500.	4.2	19
14	Saturn's Polar Atmosphere. , 2018, , 337-376.		11
15	Less absorbed solar energy and more internal heat for Jupiter. <i>Nature Communications</i> , 2018, 9, 3709.	5.8	50
16	Titan's Meteorology Over the Cassini Mission: Evidence for Extensive Subsurface Methane Reservoirs. <i>Geophysical Research Letters</i> , 2018, 45, 5320-5328.	1.5	47
17	The Great Cold Spot in Jupiter's upper atmosphere. <i>Geophysical Research Letters</i> , 2017, 44, 3000-3008.	1.5	7
18	Aerosols optical properties in Titan's detached haze layer before the equinox. <i>Icarus</i> , 2017, 292, 13-21.	1.1	9

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19	Cassini UVIS observations of Titan ultraviolet airglow intensity dependence with solar zenith angle. <i>Geophysical Research Letters</i> , 2017, 44, 88-96.	1.5	20
20	JUPITER'S PHASE VARIATIONS FROM CASSINI: A TESTBED FOR FUTURE DIRECT-IMAGING MISSIONS. <i>Astronomical Journal</i> , 2016, 152, 209.	1.9	32
21	The detection of benzene in Saturn's upper atmosphere. <i>Geophysical Research Letters</i> , 2016, 43, 7895-7901.	1.5	29
22	Titan Science with the James Webb Space Telescope. <i>Publications of the Astronomical Society of the Pacific</i> , 2016, 128, 018007.	1.0	19
23	Cassini Imaging Science Subsystem observations of Titan's south polar cloud. <i>Icarus</i> , 2016, 270, 399-408.	1.1	39
24	Aerosol influence on energy balance of the middle atmosphere of Jupiter. <i>Nature Communications</i> , 2015, 6, 10231.	5.8	27
25	Gas giant planets, Saturn's rings, and Titan. , 2015, , 320-339.		4
26	Saturn's giant storm and global radiant energy. <i>Geophysical Research Letters</i> , 2015, 42, 2144-2148.	1.5	12
27	Microphysical modeling of Titan's detached haze layer in a 3D GCM. <i>Icarus</i> , 2015, 254, 122-134.	1.1	28
28	Titan's emission processes during eclipse. <i>Icarus</i> , 2014, 241, 397-408.	1.1	6
29	Stratospheric aerosols on Jupiter from Cassini observations. <i>Icarus</i> , 2013, 226, 159-171.	1.1	54
30	The opposition effect in Saturn's main rings as seen by Cassini ISS: 1. Morphology of phase functions and dependence on the local optical depth. <i>Icarus</i> , 2013, 226, 591-603.	1.1	14
31	Titan airglow during eclipse. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	12
32	Cassini UVIS observations of Titan nightglow spectra. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	28
33	Emitted power of Jupiter based on Cassini CIRS and VIMS observations. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	17
34	Seasonal changes in Titan's meteorology. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	76
35	The evolution of Titan's detached haze layer near equinox in 2009. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	47
36	The global energy balance of Titan. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	17

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37	DUAL ORIGIN OF AEROSOLS IN TITAN'S DETACHED HAZE LAYER. <i>Astrophysical Journal Letters</i> , 2011, 741, L32.	3.0	16
38	The mesosphere and lower thermosphere of Titan revealed by Cassini/UVIS stellar occultations. <i>Icarus</i> , 2011, 216, 507-534.	1.1	124
39	Rapid and Extensive Surface Changes Near Titan's Equator: Evidence of April Showers. <i>Science</i> , 2011, 331, 1414-1417.	6.0	184
40	In-flight calibration of the Cassini imaging science sub-system cameras. <i>Planetary and Space Science</i> , 2010, 58, 1475-1488.	0.9	60
41	Saturn's emitted power. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	33
42	A global climate model of Titan's atmosphere and surface. <i>Planetary and Space Science</i> , 2009, 57, 1931-1949.	0.9	42
43	Cassini imaging of Titan's high-latitude lakes, clouds, and south-polar surface changes. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	160
44	The lakes of Titan. <i>Nature</i> , 2007, 445, 61-64.	13.7	507
45	The Sand Seas of Titan: Cassini RADAR Observations of Longitudinal Dunes. <i>Science</i> , 2006, 312, 724-727.	6.0	351
46	Imaging of Titan from the Cassini spacecraft. <i>Nature</i> , 2005, 434, 159-168.	13.7	390
47	Ultraviolet Imaging Spectroscopy Shows an Active Saturnian System. <i>Science</i> , 2005, 307, 1251-1255.	6.0	125
48	The Cassini Ultraviolet Imaging Spectrograph Investigation. <i>Space Science Reviews</i> , 2004, 115, 299-361.	3.7	210
49	Cassini Imaging Science: Instrument Characteristics And Anticipated Scientific Investigations At Saturn. <i>Space Science Reviews</i> , 2004, 115, 363-497.	3.7	311
50	Cassini Imaging of Jupiter's Atmosphere, Satellites, and Rings. <i>Science</i> , 2003, 299, 1541-1547.	6.0	405
51	Voyager photopolarimeter observations of Saturn and Titan. <i>Advances in Space Research</i> , 1983, 3, 45-48.	1.2	7
52	Photopolarimetry from Voyager 2; Preliminary Results on Saturn, Titan, and the Rings. <i>Science</i> , 1982, 215, 537-543.	6.0	207
53	Photometry and polarimetry of Jupiter at large phase angles. <i>Icarus</i> , 1978, 33, 558-592.	1.1	114