

D P Cruikshank

List of Publications by Year in descending order

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69
papers

7,561
citations

66343

42
h-index

106344

65
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69
all docs

69
docs citations

69
times ranked

5702
citing authors

#	ARTICLE	IF	CITATIONS
1	The Spitzer Space Telescope Mission. <i>Astrophysical Journal, Supplement Series</i> , 2004, 154, 1-9.	7.7	2,410
2	The Pluto system: Initial results from its exploration by New Horizons. <i>Science</i> , 2015, 350, aad1815.	12.6	407
3	The Cassini Visual And Infrared Mapping Spectrometer (Vims) Investigation. <i>Space Science Reviews</i> , 2004, 115, 111-168.	8.1	369
4	Surface Ices and the Atmospheric Composition of Pluto. <i>Science</i> , 1993, 261, 745-748.	12.6	358
5	Ices on the Surface of Triton. <i>Science</i> , 1993, 261, 742-745.	12.6	263
6	Surface compositions across Pluto and Charon. <i>Science</i> , 2016, 351, aad9189.	12.6	242
7	The geology of Pluto and Charon through the eyes of New Horizons. <i>Science</i> , 2016, 351, 1284-1293.	12.6	219
8	Release of volatiles from a possible cryovolcano from near-infrared imaging of Titan. <i>Nature</i> , 2005, 435, 786-789.	27.8	208
9	The atmosphere of Pluto as observed by New Horizons. <i>Science</i> , 2016, 351, aad8866.	12.6	201
10	Detection of ozone on Saturn's satellites Rhea and Dione. <i>Nature</i> , 1997, 388, 45-47.	27.8	171
11	OPTICAL CONSTANTS OF AMORPHOUS AND CRYSTALLINE H ₂ O-ICE: 2.5-22 μ m (4000-455) Tj ETQq1 1 0.784314 rgBT 1347-1356.	4.5	150
12	Initial results from the New Horizons exploration of 2014 MU ₆₉ , a small Kuiper Belt object. <i>Science</i> , 2019, 364, .	12.6	113
13	Temperature of Nitrogen Ice on Pluto and Its Implications for Flux Measurements. <i>Icarus</i> , 1994, 112, 513-527.	2.5	102
14	Solid C ¹⁴ N bearing material on outer solar system bodies. <i>Icarus</i> , 1991, 94, 345-353.	2.5	100
15	Identification of Water Ice on the Centaur 1997 CU26. <i>Science</i> , 1998, 280, 1430-1432.	12.6	97
16	Near-infrared (0.8-4.0 μ m) spectroscopy of Mimas, Enceladus, Tethys, and Rhea. <i>Astronomy and Astrophysics</i> , 2005, 435, 353-362.	5.1	94
17	Cassini Visual and Infrared Mapping Spectrometer Observations of Iapetus: Detection of CO ₂ . <i>Astrophysical Journal</i> , 2005, 622, L149-L152.	4.5	94
18	Infrared Spectroscopy of Triton and Pluto Ice Analogs: The Case for Saturated Hydrocarbons. <i>Icarus</i> , 1994, 111, 151-173.	2.5	93

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19	Photochemistry of Triton's atmosphere and ionosphere. <i>Journal of Geophysical Research</i> , 1995, 100, 21271.	3.3	85
20	Spitzer Observations of the Dust Coma and Nucleus of 29P/Schwassmann-Wachmann 1. <i>Astrophysical Journal, Supplement Series</i> , 2004, 154, 463-468.	7.7	80
21	The small satellites of Pluto as observed by New Horizons. <i>Science</i> , 2016, 351, aae0030.	12.6	78
22	Spectroscopic Determination of the Phase Composition and Temperature of Nitrogen Ice on Triton. <i>Science</i> , 1993, 261, 751-754.	12.6	76
23	The 2.5-5.0 μ m spectra of Io: Evidence for H ₂ S and H ₂ O frozen in SO ₂ . <i>Icarus</i> , 1990, 83, 66-82.	2.5	73
24	Compositions of Saturn's rings A, B, and C from high resolution near-infrared spectroscopic observations. <i>Astronomy and Astrophysics</i> , 2003, 412, 305-316.	5.1	72
25	Triton - A satellite with an atmosphere. <i>Astrophysical Journal</i> , 1979, 233, 1016.	4.5	67
26	Is Sedna another Triton?. <i>Astronomy and Astrophysics</i> , 2005, 439, L1-L4.	5.1	65
27	Chemical Composition of Icy Satellite Surfaces. <i>Space Science Reviews</i> , 2010, 153, 113-154.	8.1	65
28	The Meteorite-Asteroid Connection: Two Olivine-Rich Asteroids. <i>Science</i> , 1984, 223, 281-283.	12.6	64
29	Color, composition, and thermal environment of Kuiper Belt object (486958) Arrokoth. <i>Science</i> , 2020, 367, .	12.6	64
30	Pluto's interaction with its space environment: Solar wind, energetic particles, and dust. <i>Science</i> , 2016, 351, aad9045.	12.6	60
31	Lunar rilles and Hawaiian volcanic features: Possible analogues. <i>The Moon</i> , 1972, 3, 412-447.	0.4	57
32	Observations in the Saturn system during approach and orbital insertion, with Cassini's visual and infrared mapping spectrometer (VIMS). <i>Astronomy and Astrophysics</i> , 2006, 446, 707-716.	5.1	57
33	THE ATMOSPHERES OF SATURN AND TITAN IN THE NEAR-INFRARED: FIRST RESULTS OF CASSINI/VIMS. <i>Earth, Moon and Planets</i> , 2006, 96, 119-147.	0.6	57
34	Surface composition of Hyperion. <i>Nature</i> , 2007, 448, 54-56.	27.8	56
35	Surface Composition of Kuiper Belt Object 1993SC. <i>Science</i> , 1997, 276, 937-939.	12.6	53
36	A TENTATIVE IDENTIFICATION OF HCN ICE ON TRITON. <i>Astrophysical Journal Letters</i> , 2010, 718, L53-L57.	8.3	51

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37	Detection of ammonia on Pluto's surface in a region of geologically recent tectonism. <i>Science Advances</i> , 2019, 5, eaav5731.	10.3	49
38	Composition of KBO (50000) Quaoar. <i>Astronomy and Astrophysics</i> , 2009, 501, 349-357.	5.1	49
39	Absorption bands in the spectrum of Io. <i>Astrophysical Journal</i> , 1978, 225, L89.	4.5	48
40	Surface compositions of the satellites of Saturn from infrared photometry. <i>Astrophysical Journal</i> , 1976, 207, L213.	4.5	46
41	The Albedo, Size, and Density of Binary Kuiper Belt Object (47171) 1999 TC36. <i>Astrophysical Journal</i> , 2006, 643, 556-566.	4.5	44
42	The formation of Charon's red poles from seasonally cold-trapped volatiles. <i>Nature</i> , 2016, 539, 65-68.	27.8	44
43	Spectroscopy of Mars from 2.04 to 2.44 μ m during the 1993 Opposition: Absolute Calibration and Atmospheric vs Mineralogic Origin of Narrow Absorption Features. <i>Icarus</i> , 1994, 111, 106-123.	2.5	39
44	Ices on (90377) Sedna: confirmation and compositional constraints. <i>Astronomy and Astrophysics</i> , 2007, 466, 395-398.	5.1	37
45	Surface characterization of Pluto and Charon by L and M band spectra. <i>Astronomy and Astrophysics</i> , 2008, 490, 365-375.	5.1	37
46	Organic Matter on Asteroid 130 Elektra. <i>Science</i> , 1987, 238, 183-184.	12.6	28
47	Triton: Do We See to the Surface?. <i>Science</i> , 1989, 245, 283-286.	12.6	28
48	THE RADIAL DISTRIBUTION OF WATER ICE AND CHROMOPHORES ACROSS SATURN'S SYSTEM. <i>Astrophysical Journal</i> , 2013, 766, 76.	4.5	26
49	Prebiotic Chemistry of Pluto. <i>Astrobiology</i> , 2019, 19, 831-848.	3.0	26
50	Thermal-infrared and visual imaging of comet Giacobini-Zinner. <i>Astrophysical Journal</i> , 1986, 310, L61.	4.5	22
51	(50000) Quaoar: Surface composition variability. <i>Astronomy and Astrophysics</i> , 2015, 584, A107.	5.1	21
52	Is H ₂ O Present on Io? The Detection of a New Strong Band Near 3590 cm ⁻¹ (2.79 μ m). <i>Icarus</i> , 1994, 107, 413-417.	2.5	20
53	Infrared Images of Jupiter at 5-Micrometer Wavelength During the Voyager 1 Encounter. <i>Science</i> , 1979, 204, 1007-1008.	12.6	19
54	Moon: 'ghost' craters formed during mare filling. <i>The Moon</i> , 1973, 7, 440-452.	0.4	18

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55	IO: Could SO ₂ condensation/sublimation cause the sometimes reported post-eclipse brightening?. Geophysical Research Letters, 1981, 8, 625-628.	4.0	18
56	The spectrum of Pluto, 0.40–0.93 μ m. Astronomy and Astrophysics, 2016, 585, A131.	5.1	15
57	A Predicted Dearth of Majority Hypervolatile Ices in Oort Cloud Comets. Planetary Science Journal, 2022, 3, 112.	3.6	15
58	The Ices on Transneptunian Objects and Centaurs. Astrophysics and Space Science Library, 2013, , 107-146.	2.7	10
59	Jupiter's Cloud Distribution Between the Voyager 1 and 2 Encounters: Results from 5-Micrometer Imaging. Science, 1979, 206, 995-996.	12.6	7
60	Sulfur Dioxide Ice on IO. , 1985, , 805-815.		6
61	Spectrophotometric Remote Sensing of Planets and Satellites. , 1981, , 57-87.		5
62	SPECTROPHOTOMETRIC REMOTE SENSING OF PLANETS AND SATELLITES. Symposium - International Astronomical Union, 1981, 96, 57-87.	0.1	2
63	Generating an Atmosphere. Science, 2010, 330, 1755-1756.	12.6	2
64	Albedo maps of comets P/Halley and P/Giacobini-Zinner. , 1988, , 665-668.		2
65	Laboratory Astrophysics in Solar System Studies – An Overview. Astrophysics and Space Science Library, 1999, , 37-67.	2.7	2
66	Pluto's Planetary Status. Science, 1999, 283, 937-937.	12.6	2
67	Ethane on Pluto?. Science, 1999, 285, 1355c-1355.	12.6	2
68	Kuiper Belt object 2014MU ₆₉ , Pluto and Phoebe as windows on the composition of the early solar nebula. Proceedings of the International Astronomical Union, 2019, 15, 91-95.	0.0	1
69	Chemical Composition of Icy Satellite Surfaces. Space Sciences Series of ISSI, 2010, , 111-152.	0.0	0