

Ann Persoon

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

2,753
citations

201385

27
h-index

174990

52
g-index

62
all docs

62
docs citations

62
times ranked

1242
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-instrument analysis of electron populations in Saturn's magnetosphere. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	342
2	Radio and Plasma Wave Observations at Saturn from Cassini's Approach and First Orbit. <i>Science</i> , 2005, 307, 1255-1259.	6.0	236
3	The Variable Rotation Period of the Inner Region of Saturn's Plasma Disk. <i>Science</i> , 2007, 316, 442-445.	6.0	223
4	Discovery of a north-south asymmetry in Saturn's radio rotation period. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	143
5	Ion and neutral sources and sinks within Saturn's inner magnetosphere: Cassini results. <i>Planetary and Space Science</i> , 2008, 56, 3-18.	0.9	119
6	Magnetically controlled structures in the ionosphere of Mars. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	90
7	Dusty plasma in the vicinity of Enceladus. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	89
8	A diffusive equilibrium model for the plasma density in Saturn's magnetosphere. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	85
9	The electron density of Saturn's magnetosphere. <i>Annales Geophysicae</i> , 2009, 27, 2971-2991.	0.6	73
10	Chemical interactions between Saturn's atmosphere and its rings. <i>Science</i> , 2018, 362, .	6.0	73
11	Equatorial electron density measurements in Saturn's inner magnetosphere. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	69
12	The inner magnetosphere of Saturn: Cassini RPWS cold plasma results from the first encounter. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	67
13	The reversal of the rotational modulation rates of the north and south components of Saturn kilometric radiation near equinox. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	65
14	A simple scale height model of the electron density in Saturn's plasma disk. <i>Geophysical Research Letters</i> , 2006, 33, n/a-n/a.	1.5	62
15	A north-south difference in the rotation rate of auroral hiss at Saturn: Comparison to Saturn's kilometric radio emission. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	61
16	Analysis of plasma waves observed within local plasma injections seen in Saturn's magnetosphere. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	51
17	Magnetic signatures of plasma-depleted flux tubes in the Saturnian inner magnetosphere. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	49
18	Survey of thermal plasma ions in Saturn's magnetosphere utilizing a forward model. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 7256-7278.	0.8	48

#	ARTICLE	IF	CITATIONS
19	Observation of similar radio signatures at Saturn and Jupiter: Implications for the magnetospheric dynamics. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	41
20	The plasma density distribution in the inner region of Saturn's magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 2970-2974.	0.8	41
21	In situ measurements of Saturn's ionosphere show that it is dynamic and interacts with the rings. <i>Science</i> , 2018, 359, 66-68.	6.0	40
22	Saturn's ring current: Local time dependence and temporal variability. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	39
23	A plasmopause-like density boundary at high latitudes in Saturn's magnetosphere. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	38
24	Dust grains fall from Saturn's D-ring into its equatorial upper atmosphere. <i>Science</i> , 2018, 362, .	6.0	37
25	Plasma densities in the vicinity of Callisto from Galileo plasma wave observations. <i>Geophysical Research Letters</i> , 2000, 27, 1867-1870.	1.5	33
26	First whistler observed in the magnetosphere of Saturn. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	32
27	Multi-instrument analysis of plasma parameters in Saturn's equatorial, inner magnetosphere using corrections for corrections for spacecraft potential and penetrating background radiation. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 3683-3707.	0.8	32
28	Nature of the ring current in Saturn's dayside magnetosphere. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	27
29	Saturn's Dusty Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 1679-1697.	0.8	27
30	Electron Density Distributions in Saturn's Ionosphere. <i>Geophysical Research Letters</i> , 2019, 46, 3061-3068.	1.5	27
31	Identification of electron field-aligned current systems in Saturn's magnetosphere. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	26
32	Models of Saturn's Equatorial Ionosphere Based on In Situ Data From Cassini's Grand Finale. <i>Geophysical Research Letters</i> , 2018, 45, 9398-9407.	1.5	26
33	Auroral hiss, electron beams and standing Alfvén wave currents near Saturn's moon Enceladus. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	23
34	An ionized layer in the upper atmosphere of Mars caused by dust impacts from comet Siding Spring. <i>Geophysical Research Letters</i> , 2015, 42, 4745-4751.	1.5	23
35	The low-frequency source of Saturn's kilometric radiation. <i>Science</i> , 2018, 362, .	6.0	22
36	The Ion Composition of Saturn's Equatorial Ionosphere as Observed by Cassini. <i>Geophysical Research Letters</i> , 2019, 46, 6315-6321.	1.5	22

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37	An unusual rotationally modulated attenuation band in the Jovian hectometric radio emission spectrum. <i>Geophysical Research Letters</i> , 1998, 25, 1841-1844.	1.5	20
38	Properties of the thermal ion plasma near Rhea as measured by the Cassini plasma spectrometer. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	20
39	Saturn's Ionosphere: Electron Density Altitude Profiles and Ring Interaction From The Cassini Grand Finale. <i>Geophysical Research Letters</i> , 2019, 46, 9362-9369.	1.5	20
40	Evidence for a seasonally dependent ring plasma in the region between Saturn's A Ring and Enceladus' orbit. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 6276-6285.	0.8	17
41	Mass unloading along the inner edge of the Enceladus plasma torus. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	16
42	The rotation of the plasmopause-like boundary at high latitudes in Saturn's magnetosphere and its relation to the eccentric rotation of the northern and southern auroral ovals. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	16
43	Dust Observations by the Radio and Plasma Wave Science Instrument During Cassini's Grand Finale. <i>Geophysical Research Letters</i> , 2018, 45, 10,101.	1.5	16
44	Enceladus Auroral Hiss Emissions During Cassini's Grand Finale. <i>Geophysical Research Letters</i> , 2018, 45, 7347-7353.	1.5	16
45	Survey of Saturn Z -mode emission. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 6176-6187.	0.8	12
46	Intense Harmonic Emissions Observed in Saturn's Ionosphere. <i>Geophysical Research Letters</i> , 2017, 44, 12,049.	1.5	12
47	Cassini magnetometer observations over the Enceladus poles. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	10
48	Cassini RPWS Dust Observation Near the Janus/Epimetheus Orbit. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 4952-4960.	0.8	9
49	Distribution in Saturn's Inner Magnetosphere From 2.4 to 10 R_S : A Diffusive Equilibrium Model. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027545.	0.8	9
50	Density Structures, Dynamics, and Seasonal and Solar Cycle Modulations of Saturn's Inner Plasma Disk. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 12,258.	0.8	8
51	The Dusty Plasma Disk Around the Janus/Epimetheus Ring. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 4668-4678.	0.8	8
52	Analysis of Intense Z -Mode Emission Observed During the Cassini Proximal Orbits. <i>Geophysical Research Letters</i> , 2018, 45, 6766-6772.	1.5	8
53	Auroral Hiss Emissions During Cassini's Grand Finale: Diverse Electrodynamical Interactions Between Saturn and Its Rings. <i>Geophysical Research Letters</i> , 2018, 45, 6782-6789.	1.5	8
54	Extended Survey of Saturn Z -Mode Wave Intensity Through Cassini's Final Orbits. <i>Geophysical Research Letters</i> , 2018, 45, 7330-7336.	1.5	7

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55	Saturn's Plasma Density Depletions Along Magnetic Field Lines Connected to the Main Rings. <i>Geophysical Research Letters</i> , 2018, 45, 8104-8110.	1.5	6
56	Drifting field-aligned density structures in the night-side polar cap. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	5
57	NANOGRAIN DENSITY OUTSIDE SATURN'S A RING. <i>Astrophysical Journal Letters</i> , 2017, 834, L6.	3.0	3
58	Plasma Transport in Saturn's Low-Latitude Ionosphere: Cassini Data. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 4881-4888.	0.8	3
59	Planetary Period Oscillations of Saturn's Dayside Equatorial Ionospheric Electron Density Observed on Cassini's Proximal Passes. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029332.	0.8	3
60	The Cassini RPWS/LP Observations of Dusty Plasma in the Kronian System. <i>Proceedings of the International Astronomical Union</i> , 2018, 14, 415-416.	0.0	0
61	Evidence of Electron Density Enhancements in the Post-Apoapsis Sector of Enceladus' Orbit. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, .	0.8	0