

Paul J Kellogg

List of Publications by Year in descending order

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69
papers

5,357
citations

126907

33
h-index

118850

62
g-index

70
all docs

70
docs citations

70
times ranked

2856
citing authors

#	ARTICLE	IF	CITATIONS
1	WAVES: The radio and plasma wave investigation on the wind spacecraft. <i>Space Science Reviews</i> , 1995, 71, 231-263.	8.1	727
2	The FIELDS Instrument Suite for Solar Probe Plus. <i>Space Science Reviews</i> , 2016, 204, 49-82.	8.1	521
3	The Cassini Radio and Plasma Wave Investigation. <i>Space Science Reviews</i> , 2004, 114, 395-463.	8.1	455
4	Measurement of the Electric Fluctuation Spectrum of Magnetohydrodynamic Turbulence. <i>Physical Review Letters</i> , 2005, 94, 215002.	7.8	446
5	Highly structured slow solar wind emerging from an equatorial coronal hole. <i>Nature</i> , 2019, 576, 237-242.	27.8	401
6	S/WAVES: The Radio and Plasma Wave Investigation on the STEREO Mission. <i>Space Science Reviews</i> , 2008, 136, 487-528.	8.1	313
7	Bipolar electrostatic structures in the shock transition region: Evidence of electron phase space holes. <i>Geophysical Research Letters</i> , 1998, 25, 2929-2932.	4.0	258
8	Discovery of very large amplitude whistler mode waves in Earth's radiation belts. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	249
9	WIND observations of coherent electrostatic waves in the solar wind. <i>Annales Geophysicae</i> , 1999, 17, 307-320.	1.6	141
10	Van Allen Radiation of Solar Origin. <i>Nature</i> , 1959, 183, 1295-1297.	27.8	137
11	Rapid density fluctuations in the solar wind. <i>Annales Geophysicae</i> , 2005, 23, 3765-3773.	1.6	84
12	Eigenmode Structure in Solar-Wind Langmuir Waves. <i>Physical Review Letters</i> , 2008, 101, 051101.	7.8	84
13	The properties of large amplitude whistler mode waves in the magnetosphere: Propagation and relationship with geomagnetic activity. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	83
14	Observations of electromagnetic whistler precursors at supercritical interplanetary shocks. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	79
15	Large amplitude electrostatic waves observed at a supercritical interplanetary shock. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	77
16	Low frequency whistler waves and shocklets observed at quasi-perpendicular interplanetary shocks. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	76
17	Electrostatic Solitary Waves in the Solar Wind: Evidence for Instability at Solar Wind Current Sheets. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 591-599.	2.4	73
18	Electromagnetic waves and electron anisotropies downstream of supercritical interplanetary shocks. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 5-16.	2.4	67

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19	Electrostatic Turbulence and Debye-Scale Structures Associated with Electron Thermalization at Collisionless Shocks. <i>Astrophysical Journal</i> , 2002, 575, L25-L28.	4.5	63
20	Observation of relativistic electron microbursts in conjunction with intense radiation belt whistler-mode waves. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	61
21	Electron trapping and charge transport by large amplitude whistlers. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	60
22	Spacecraft charging and ion wake formation in the near-Sun environment. <i>Physics of Plasmas</i> , 2010, 17, 072903.	1.9	59
23	Langmuir waves in a fluctuating solar wind. <i>Journal of Geophysical Research</i> , 1999, 104, 17069-17078.	3.3	57
24	Fundamental emission in three type III solar bursts. <i>Astrophysical Journal</i> , 1980, 236, 696.	4.5	53
25	Large amplitude whistlers in the magnetosphere observed with Wind-Waves. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	50
26	Transverse-mode waves in the terrestrial electron foreshock. <i>Geophysical Research Letters</i> , 1998, 25, 9-12.	4.0	49
27	Plasma wave measurements with STEREO S/WAVES: Calibration, potential model, and preliminary results. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	40
28	Dust impact signals on the wind spacecraft. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 966-991.	2.4	40
29	Evidence of currents and unstable particle distributions in an extended region around the lunar plasma wake. <i>Geophysical Research Letters</i> , 1997, 24, 1427-1430.	4.0	38
30	Observations of plasma waves during a traversal of the Moon's wake. <i>Geophysical Research Letters</i> , 1996, 23, 1267-1270.	4.0	37
31	Phase coupling in Langmuir wave packets: Possible evidence of three-wave interactions in the upstream solar wind. <i>Geophysical Research Letters</i> , 1996, 23, 109-112.	4.0	36
32	STEREO and Wind observations of intense cyclotron harmonic waves at the Earth's bow shock and inside the magnetosheath. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 7654-7664.	2.4	36
33	Characteristics of two types of beam plasma discharge in a laboratory experiment. <i>Geophysical Research Letters</i> , 1983, 10, 565-568.	4.0	33
34	ECHO 7: An electron beam experiment in the magnetosphere. <i>Eos</i> , 1989, 70, 657.	0.1	32
35	Observations of plasma waves in magnetic holes. <i>Geophysical Research Letters</i> , 1995, 22, 3417-3420.	4.0	32
36	Early Wind observations of bow shock and foreshock waves. <i>Geophysical Research Letters</i> , 1996, 23, 1243-1246.	4.0	32

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37	On the beam speed and wavenumber of intense electron plasma waves near the foreshock edge. <i>Journal of Geophysical Research</i> , 2000, 105, 27353-27367.	3.3	25
38	Solar Wind Electric Fields in the Ion Cyclotron Frequency Range. <i>Astrophysical Journal</i> , 2006, 645, 704-710.	4.5	25
39	Large-amplitude transmitter-associated and lightning-associated whistler waves in the Earth's inner plasmasphere at $L < 2$. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	20
40	Fluctuations and Ion Isotropy in the Solar Wind. <i>Astrophysical Journal</i> , 2000, 528, 480-485.	4.5	19
41	Do Langmuir wave packets in the solar wind collapse?. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	19
42	Ulysses observations of auroral hiss at high Jovian latitudes. <i>Geophysical Research Letters</i> , 1993, 20, 2259-2262.	4.0	16
43	Measurements of potential of a cylindrical monopole antenna on a rotating spacecraft. <i>Journal of Geophysical Research</i> , 1980, 85, 5157-5161.	3.3	14
44	Controlled Experiment on Wave-Particle Interactions in the Ionosphere. <i>Nature: Physical Science</i> , 1971, 231, 11-12.	0.8	12
45	Plasma effects on the interaction of a comet with Jupiter. <i>Geophysical Research Letters</i> , 1994, 21, 1055-1058.	4.0	10
46	Time Domain Structures and Dust in the Solar Vicinity: Parker Solar Probe Observations. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 50.	7.7	10
47	Ion isotropy and ion resonant waves in the solar wind: Corrected Cassini observations. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	9
48	Are STEREO Single Hits Dust Impacts?. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 7211-7219.	2.4	9
49	Antenna-plasma and antenna-spacecraft resistance on the Wind spacecraft. <i>Journal of Geophysical Research</i> , 2001, 106, 18721-18727.	3.3	8
50	Harmonics of langmuir waves in the Earth's foreshock. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	8
51	Plasma waves in coronal mass ejections: Ulysses observations. , 1999, , .		7
52	Ion isotropy and ion resonant waves in the solar wind: Cassini observations. <i>Geophysical Research Letters</i> , 2001, 28, 87-90.	4.0	7
53	Explaining polarization reversals in STEREO wave data. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	7
54	Observations of transverse Z mode and parametric decay in the solar wind. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 4766-4775.	2.4	7

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55	Heating of the Solar Wind by Ion Acoustic Waves. <i>Astrophysical Journal</i> , 2020, 891, 51.	4.5	7
56	Core Electron Heating by Triggered Ion Acoustic Waves in the Solar Wind. <i>Astrophysical Journal Letters</i> , 2022, 927, L15.	8.3	7
57	Charging and the cross-field discharge during electron accelerator operation on a rocket.. <i>Journal of Geomagnetism and Geoelectricity</i> , 1988, 40, 1257-1267.	0.9	6
58	A Fundamental Instability for the Solar Wind. <i>Astrophysical Journal</i> , 2022, 925, 106.	4.5	6
59	Nearly monochromatic waves in the distant tail of the Earth. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	4
60	Large-Amplitude Whistler Waves and Electron Acceleration in the Earth's Radiation Belts: A Review of Stereo and Wind Observations. <i>Geophysical Monograph Series</i> , 0, , 41-52.	0.1	4
61	Note on the Pantellini et al. process for dust impact signals on spacecraft. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 63-70.	2.4	3
62	3D Electric Waveforms of Solar Wind Turbulence. <i>Astrophysical Journal</i> , 2018, 853, 14.	4.5	3
63	Sign of the Dust Impact-Antenna Coupling Cloud. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 3273-3276.	2.4	3
64	An Improved Technique for Measuring Plasma Density to High Frequencies on the Parker Solar Probe. <i>Astrophysical Journal</i> , 2022, 926, 220.	4.5	3
65	Limits on Decametric Radiation from the Shoemakerâ€Levy 9 Impacts on Jupiter. <i>Astrophysical Journal</i> , 1997, 484, 432-438.	4.5	0
66	Correction to â€œIon isotropy and ion resonant waves in the solar wind: Cassini observationsâ€. <i>Geophysical Research Letters</i> , 2001, 28, 4061-4061.	4.0	0
67	Electric Fluctuations and Ion Isotropy. <i>AIP Conference Proceedings</i> , 2003, , .	0.4	0
68	STEREO and wind observations of intense electron cyclotron harmonic waves at the earths bow shock and inside the magnetosheath. , 2014, , .		0
69	Toward a Physics Based Model of Hypervelocity Dust Impacts. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028415.	2.4	0