

Robert E Erlandson

List of Publications by Year in descending order

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47
papers

842
citations

567281

15
h-index

477307

29
g-index

47
all docs

47
docs citations

47
times ranked

543
citing authors

#	ARTICLE	IF	CITATIONS
1	Ion energization mechanisms at 1700 km in the auroral region. <i>Journal of Geophysical Research</i> , 1998, 103, 4199-4222.	3.3	197
2	Freja observations of electromagnetic ion cyclotron ELF waves and transverse oxygen ion acceleration on auroral field lines. <i>Geophysical Research Letters</i> , 1994, 21, 1855-1858.	4.0	76
3	Local transverse ion energization in and near the polar cusp. <i>Geophysical Research Letters</i> , 1988, 15, 107-110.	4.0	74
4	Observations of large-scale Birkeland currents with Viking. <i>Geophysical Research Letters</i> , 1987, 14, 419-422.	4.0	61
5	Pc1 pulsations observed by AMPTE/CCE in the Earth's outer magnetosphere. <i>Geophysical Research Letters</i> , 1990, 17, 1853-1856.	4.0	42
6	Observation of electromagnetic ion cyclotron waves and hot plasma in the polar cusp. <i>Geophysical Research Letters</i> , 1988, 15, 421-424.	4.0	40
7	Source region of 0.2 to 1.0 Hz geomagnetic pulsation bursts. <i>Geophysical Research Letters</i> , 1996, 23, 769-772.	4.0	39
8	Observations of solar wind pressure initiated fast mode waves at geostationary orbit and in the polar cap. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1991, 53, 231-239.	0.9	26
9	Geomagnetic field-line resonant harmonics measured by the Viking and Ampte/CCE magnetic field experiments. <i>Geophysical Research Letters</i> , 1987, 14, 427-430.	4.0	20
10	Simultaneous observations of subauroral electron temperature enhancements and electromagnetic ion cyclotron waves. <i>Geophysical Research Letters</i> , 1993, 20, 1723-1726.	4.0	20
11	Diamagnetic effect produced by the Fluxus-1 and -2 artificial plasma jet. <i>Geophysical Research Letters</i> , 1999, 26, 1549-1552.	4.0	20
12	North Star Plasma-Jet Space Experiment. <i>Journal of Spacecraft and Rockets</i> , 2004, 41, 483-489.	1.9	16
13	Dynamics of a high energy plasma jet in space: In situ experiment and laboratory simulation. <i>Advances in Space Research</i> , 1998, 21, 773-776.	2.6	15
14	observation of auroral emissions induced by artificial plasma jets. <i>Geophysical Research Letters</i> , 1999, 26, 1553-1556.	4.0	15
15	The APEX north star experiment: observations of high-speed plasma jets injected perpendicular to the magnetic field. <i>Advances in Space Research</i> , 2002, 29, 1317-1326.	2.6	15
16	Ionospheric currents correlated with geomagnetic induced currents; Freja magnetic field measurements and the Sunburst Monitor System. <i>Geophysical Research Letters</i> , 1994, 21, 1867-1870.	4.0	14
17	Electric Field, Magnetic Field, and Density Measurements on the Active Plasma Experiment Sounding Rocket. <i>Journal of Spacecraft and Rockets</i> , 2004, 41, 521-532.	1.9	14
18	Impulsive electrostatic waves and field-aligned currents observed in the entry layer. <i>Geophysical Research Letters</i> , 1987, 14, 431-434.	4.0	12

#	ARTICLE	IF	CITATIONS
19	Contamination Experiments in the Midcourse Space Experiment. Journal of Spacecraft and Rockets, 1997, 34, 218-225.	1.9	12
20	Three-Dimensional Magnetohydrodynamic Modeling of Plasma Jets in the North Star Space Experiment. Journal of Spacecraft and Rockets, 2004, 41, 509-520.	1.9	12
21	North Star Plasma-Jet Experiment Particles and Electric and Magnetic Field Measurements. Journal of Spacecraft and Rockets, 2004, 41, 490-495.	1.9	12
22	Monte Carlo Modeling and Analysis of Pressure Sensor Measurements During Suborbital Flight. Journal of Spacecraft and Rockets, 1997, 34, 83-91.	1.9	11
23	Title is missing!. Cosmic Research, 2003, 41, 28-38.	0.6	10
24	Magnetic-field fluctuations from 0 to 26 Hz observed from a polar-orbiting satellite. IEEE Transactions on Plasma Science, 1989, 17, 196-200.	1.3	9
25	Dynamics of the Active Plasma Experiment North Star Artificial Plasma Jet. Journal of Spacecraft and Rockets, 2004, 41, 503-508.	1.9	9
26	Active Plasma Experiment: North Star Particle Data. Journal of Spacecraft and Rockets, 2004, 41, 496-502.	1.9	8
27	Midcourse Space Experiment Contamination Measurement During Cryogen Phase. Journal of Spacecraft and Rockets, 1998, 35, 170-176.	1.9	5
28	Local Environment Surrounding the Midcourse Space Experiment Satellite During Its First Week. Journal of Spacecraft and Rockets, 1998, 35, 183-190.	1.9	4
29	Satellite observations of currents and waves in space plasmas. Laser and Particle Beams, 1988, 6, 503-511.	1.0	3
30	<title>Particle-in-cell/Monte Carlo simulation of dusty plasmas near spacecraft surfaces</title>. , 1994, 2261, 126.		3
31	Transition regime aerodynamic heating of missiles. Journal of Spacecraft and Rockets, 1996, 33, 607-613.	1.9	3
32	Particle environment surrounding the Midcourse Space Experiment spacecraft. Journal of Spacecraft and Rockets, 1999, 36, 561-565.	1.9	3
33	Modeling of Gas Cloud Expansion at High Altitude with Radiation Transport. Journal of Thermophysics and Heat Transfer, 2000, 14, 396-403.	1.6	3
34	Title is missing!. Cosmic Research, 2002, 40, 233-240.	0.6	3
35	Introduction to the North Star Active Plasma-Jet Space Experiment. Journal of Spacecraft and Rockets, 2004, 41, 481-482.	1.9	3
36	First VIKING results: magnetic field measurements. Physica Scripta, 1988, 37, 479-481.	2.5	2

#	ARTICLE	IF	CITATIONS
37	QCM flight measurements of contaminant films and their effect on midcourse space experiment (MSX) satellite optics. , 1997, 3124, 34.		2
38	Comparison of measured high latitude F-region ion composition climatological variability with models. Advances in Space Research, 1998, 22, 885-894.	2.6	2
39	<title>Contamination lessons learned from the Midcourse Space Experiment</title>. , 1998, 3427, 28.		2
40	Simulations of gas cloud expansion using a multi-temperature gas dynamics model. AIP Conference Proceedings, 2001, , .	0.4	2
41	<title>Particle Monitor Experiment</title>. , 1992, , .		1
42	<title>MSX contamination experiment ion mass spectrometer observations during early operations</title>. , 1996, 2864, 201.		1
43	Analysis of Pressure Measurements During Cold-Gas Thruster Firings Onboard Suborbital Spacecraft. Journal of Spacecraft and Rockets, 1999, 36, 688-692.	1.9	1
44	<title>Midcourse Space Experiment (MSX) ion mass spectrometer: measurement of contaminant and ambient ions</title>. , 1994, , .		0
45	Effect of the polar auroral regions on the midcourse space experiment cold cathode pressure sensor. , 1997, , .		0
46	<title>MSX spacecraft contamination control methodology and results</title>. , 1998, , .		0
47	Using hosted payloads on iridium NEXT to provide global warning of volcanic ash. Proceedings of SPIE, 2012, , .	0.8	0