

Michael Lockwood

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/5935403/michael-lockwood-publications-by-year.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

372
papers

12,768
citations

58
h-index

93
g-index

407
ext. papers

13,871
ext. citations

4.6
avg, IF

6.5
L-index

#	Paper	IF	Citations
372	On Optimum Solar Wind-Magnetosphere Coupling Functions for Transpolar Voltage and Planetary Geomagnetic Activity. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029946	2.6	4
371	Evolving solar wind flow properties of magnetic inversions observed by Helios. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 501, 5379-5392	4.3	2
370	Extreme Space-Weather Events and the Solar Cycle. <i>Solar Physics</i> , 2021 , 296, 1	2.6	7
369	Cosmic meteorology. <i>Astronomy and Geophysics</i> , 2021 , 62, 3.12-3.19	0.2	0
368	Forecasting Occurrence and Intensity of Geomagnetic Activity With Pattern-Matching Approaches. <i>Space Weather</i> , 2021 , 19, e2020SW002624	3.7	2
367	A space hurricane over the Earth's polar ionosphere. <i>Nature Communications</i> , 2021 , 12, 1207	17.4	2
366	A Survey of 25 Years' Transpolar Voltage Data From the SuperDARN Radar Network and the Expanding-Contracting Polar Cap Model. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029554	2.6	4
365	A Signature of 27 day Solar Rotation in the Concentration of Metallic Ions within the Terrestrial Ionosphere. <i>Astrophysical Journal</i> , 2021 , 916, 106	4.7	2
364	Modeling the Observed Distortion of Multiple (Ghost) CME Fronts in STEREO Heliospheric Imagers. <i>Astrophysical Journal Letters</i> , 2021 , 917, L16	7.9	1
363	Semi-annual, annual and Universal Time variations in the magnetosphere and in geomagnetic activity: 4. Polar Cap motions and origins of the Universal Time effect. <i>Journal of Space Weather and Space Climate</i> , 2021 , 11, 15	2.5	4
362	Graphical evidence for the solar coronal structure during the Maunder minimum: comparative study of the total eclipse drawings in 1706 and 1715. <i>Journal of Space Weather and Space Climate</i> , 2021 , 11, 1	2.5	11
361	Precipitation Modification by Ionization. <i>Physical Review Letters</i> , 2020 , 124, 198701	7.4	6
360	The Value of CME Arrival Time Forecasts for Space Weather Mitigation. <i>Space Weather</i> , 2020 , 18, e2020SW002507	3.7	5
359	Radial Evolution of Sunward Strahl Electrons in the Inner Heliosphere. <i>Solar Physics</i> , 2020 , 295, 1	2.6	8
358	A Computationally Efficient, Time-Dependent Model of the Solar Wind for Use as a Surrogate to Three-Dimensional Numerical Magnetohydrodynamic Simulations. <i>Solar Physics</i> , 2020 , 295, 1	2.6	13
357	Multiple transpolar auroral arcs reveal insight about coupling processes in the Earth's magnetotail. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 16193-16198	11.5	7
356	Signatures of Coronal Loop Opening via Interchange Reconnection in the Slow Solar Wind at 1 AU. <i>Solar Physics</i> , 2020 , 295, 1	2.6	16

355	Quantifying the latitudinal representivity of in situ solar wind observations. <i>Journal of Space Weather and Space Climate</i> , 2020 , 10, 8	2.5	4
354	The Solar Corona during the Total Eclipse on 1806 June 16: Graphical Evidence of the Coronal Structure during the Dalton Minimum. <i>Astrophysical Journal</i> , 2020 , 900, 114	4.7	10
353	Using the Ghost Front to Predict the Arrival Time and Speed of CMEs at Venus and Earth. <i>Astrophysical Journal</i> , 2020 , 899, 143	4.7	4
352	The Solar Orbiter magnetometer. <i>Astronomy and Astrophysics</i> , 2020 , 642, A9	5.1	51
351	Semi-annual, annual and Universal Time variations in the magnetosphere and in geomagnetic activity: 2. Response to solar wind power input and relationships with solar wind dynamic pressure and magnetospheric flux transport. <i>Journal of Space Weather and Space Climate</i> , 2020 , 10, 30	2.5	10
350	Semi-annual, annual and Universal Time variations in the magnetosphere and in geomagnetic activity: 3. Modelling. <i>Journal of Space Weather and Space Climate</i> , 2020 , 10, 61	2.5	5
349	Rapid indirect solar responses observed in the lower atmosphere. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2020 , 476, 20200164	2.4	4
348	Semi-annual, annual and Universal Time variations in the magnetosphere and in geomagnetic activity: 1. Geomagnetic data. <i>Journal of Space Weather and Space Climate</i> , 2020 , 10, 23	2.5	20
347	Placing limits on long-term variations in quiet-Sun irradiance and their contribution to total solar irradiance and solar radiative forcing of climate. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2020 , 476, 20200077	2.4	2
346	The evolution of inverted magnetic fields through the inner heliosphere. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 494, 3642-3655	4.3	13
345	Does Adding Solar Wind Poynting Flux Improve the Optimum Solar Wind-Magnetosphere Coupling Function?. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 5498-5515	2.6	9
344	The Development of a Space Climatology: 2. The Distribution of Power Input Into the Magnetosphere on a 3-Hourly Timescale. <i>Space Weather</i> , 2019 , 17, 157-179	3.7	9
343	Capturing Uncertainty in Magnetospheric Ultralow Frequency Wave Models. <i>Space Weather</i> , 2019 , 17, 599-618	3.7	7
342	The Development of a Space Climatology: 1. Solar Wind Magnetosphere Coupling as a Function of Timescale and the Effect of Data Gaps. <i>Space Weather</i> , 2019 , 17, 133-156	3.7	19
341	Time-of-day/time-of-year response functions of planetary geomagnetic indices. <i>Journal of Space Weather and Space Climate</i> , 2019 , 9, A20	2.5	10
340	Near-Earth Solar Wind Forecasting Using Corotation From L5: The Error Introduced By Heliographic Latitude Offset. <i>Space Weather</i> , 2019 , 17, 1105	3.7	9
339	On the Origin of Ortho-Gardenhose Heliospheric Flux. <i>Solar Physics</i> , 2019 , 294, 1	2.6	9
338	The Variation of Geomagnetic Storm Duration with Intensity. <i>Solar Physics</i> , 2019 , 294, 1	2.6	10

337	Hourly weather observations from the Scottish Highlands (1883-1904) rescued by volunteer citizen scientists. <i>Geoscience Data Journal</i> , 2019 , 6, 160-173	2.5	16
336	The Development of a Space Climatology: 3. Models of the Evolution of Distributions of Space Weather Variables With Timescale. <i>Space Weather</i> , 2019 , 17, 180-209	3.7	13
335	Observations of the step-like accelerating processes of cold ions in the reconnection layer at the dayside magnetopause. <i>Science Bulletin</i> , 2018 , 63, 31-37	10.6	6
334	Ion Charge States and Potential Geoeffectiveness: The Role of Coronal Spectroscopy for Space-Weather Forecasting. <i>Space Weather</i> , 2018 , 16, 694-703	3.7	5
333	Seasons of MISTs and mellow fruitfulness. <i>Astronomy and Geophysics</i> , 2018 , 59, 6.14-6.18	0.2	
332	Long-term variations in the heliosphere. <i>Proceedings of the International Astronomical Union</i> , 2018 , 13, 108-114	0.1	1
331	A homogeneous aa index: 1. Secular variation. <i>Journal of Space Weather and Space Climate</i> , 2018 , 8, A53	2.5	13
330	A homogeneous aa index: 2. Hemispheric asymmetries and the equinoctial variation. <i>Journal of Space Weather and Space Climate</i> , 2018 , 8, A58	2.5	16
329	Generation of Inverted Heliospheric Magnetic Flux by Coronal Loop Opening and Slow Solar Wind Release. <i>Astrophysical Journal Letters</i> , 2018 , 868, L14	7.9	13
328	Space climate and space weather over the past 400 years: 2. Proxy indicators of geomagnetic storm and substorm occurrence. <i>Journal of Space Weather and Space Climate</i> , 2018 , 8, A12	2.5	16
327	What can the annual ¹⁰ Be solar activity reconstructions tell us about historic space weather?. <i>Journal of Space Weather and Space Climate</i> , 2018 , 8, A23	2.5	7
326	Global solar wind variations over the last four centuries. <i>Scientific Reports</i> , 2017 , 7, 41548	4.9	37
325	Coronal mass ejections are not coherent magnetohydrodynamic structures. <i>Scientific Reports</i> , 2017 , 7, 4152	4.9	40
324	Decadal trends in the diurnal variation of galactic cosmic rays observed using neutron monitor data. <i>Annales Geophysicae</i> , 2017 , 35, 825-838	2	7
323	Space climate and space weather over the past 400 years: 1. The power input to the magnetosphere. <i>Journal of Space Weather and Space Climate</i> , 2017 , 7, A25	2.5	21
322	Frost fairs, sunspots and the Little Ice Age SOLAR ASTRONOMY: LITTLE ICE AGE. <i>Astronomy and Geophysics</i> , 2017 , 58, 2.17-2.23	0.2	9
321	Interplanetary magnetic field properties and variability near Mercury's orbit. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 7907-7924	2.6	20
320	Sunward Strahl: A Method to Unambiguously Determine Open Solar Flux from In Situ Spacecraft Measurements Using Suprathermal Electron Data. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 10,980-10,989	2.6	23

319	Coronal and heliospheric magnetic flux circulation and its relation to open solar flux evolution. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 5870-5894	2.6	7
318	Polar cap hot patches: Enhanced density structures different from the classical patches in the ionosphere. <i>Geophysical Research Letters</i> , 2017 , 44, 8159-8167	4.9	24
317	The Maunder minimum and the Little Ice Age: an update from recent reconstructions and climate simulations. <i>Journal of Space Weather and Space Climate</i> , 2017 , 7, A33	2.5	35
316	Polar cap patch transportation beyond the classic scenario. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 9063-9074	2.6	16
315	Earth's ion upflow associated with polar cap patches: Global and in situ observations. <i>Geophysical Research Letters</i> , 2016 , 43, 1845-1853	4.9	28
314	A comparison between large-scale irregularities and scintillations in the polar ionosphere. <i>Geophysical Research Letters</i> , 2016 , 43, 4790-4798	4.9	30
313	Jim Dungey, The Open Magnetosphere, and Space Weather. <i>Space Weather</i> , 2016 , 14, 380-383	3.7	6
312	Tests of Sunspot Number Sequences: 4. Discontinuities Around 1946 in Various Sunspot Number and Sunspot-Group-Number Reconstructions. <i>Solar Physics</i> , 2016 , 291, 2843-2867	2.6	12
311	AN ASSESSMENT OF SUNSPOT NUMBER DATA COMPOSITES OVER 1845-2014. <i>Astrophysical Journal</i> , 2016 , 824, 54	4.7	27
310	Tests of Sunspot Number Sequences: 3. Effects of Regression Procedures on the Calibration of Historic Sunspot Data. <i>Solar Physics</i> , 2016 , 291, 2829-2841	2.6	29
309	Tests of Sunspot Number Sequences: 1. Using Ionosonde Data. <i>Solar Physics</i> , 2016 , 291, 2785-2809	2.6	16
308	On the origins and timescales of geoeffective IMF. <i>Space Weather</i> , 2016 , 14, 406-432	3.7	53
307	Near-Earth heliospheric magnetic field intensity since 1750: 1. Sunspot and geomagnetic reconstructions. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 6048-6063	2.6	27
306	Tests of Sunspot Number Sequences: 2. Using Geomagnetic and Auroral Data. <i>Solar Physics</i> , 2016 , 291, 2811-2828	2.6	18
305	A New Calibrated Sunspot Group Series Since 1749: Statistics of Active Day Fractions. <i>Solar Physics</i> , 2016 , 291, 2685-2708	2.6	74
304	Near-Earth heliospheric magnetic field intensity since 1750: 2. Cosmogenic radionuclide reconstructions. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 6064-6074	2.6	16
303	Extracting planetary waves from geomagnetic time series using Empirical Mode Decomposition. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2015 , 129, 6-12	2	6
302	Possible impacts of a future grand solar minimum on climate: Stratospheric and global circulation changes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015 , 120, 9043-9058	4.4	31

301	INFERRING THE STRUCTURE OF THE SOLAR CORONA AND INNER HELIOSPHERE DURING THE MAUNDER MINIMUM USING GLOBAL THERMODYNAMIC MAGNETOHYDRODYNAMIC SIMULATIONS. <i>Astrophysical Journal</i> , 2015 , 802, 105	4.7	46
300	NEAR-EARTH COSMIC RAY DECREASES ASSOCIATED WITH REMOTE CORONAL MASS EJECTIONS. <i>Astrophysical Journal</i> , 2015 , 801, 5	4.7	11
299	Regional climate impacts of a possible future grand solar minimum. <i>Nature Communications</i> , 2015 , 6, 7535	17.4	51
298	Direct observations of the full Dungey convection cycle in the polar ionosphere for southward interplanetary magnetic field conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 4519-4530	2.6	49
297	Differences between the CME fronts tracked by an expert, an automated algorithm, and the Solar Stormwatch project. <i>Space Weather</i> , 2015 , 13, 709-725	3.7	8
296	Lightning as a space-weather hazard: UK thunderstorm activity modulated by the passage of the heliospheric current sheet. <i>Geophysical Research Letters</i> , 2015 , 42, 9624-9632	4.9	17
295	The Maunder minimum (1645-1715) was indeed a grand minimum: A reassessment of multiple datasets. <i>Astronomy and Astrophysics</i> , 2015 , 581, A95	5.1	127
294	An arch in the UK. <i>Astronomy and Geophysics</i> , 2015 , 56, 4.25-4.30	0.2	16
293	The heliospheric Hale cycle over the last 300 years and its implications for a late 18th century solar cycle. <i>Journal of Space Weather and Space Climate</i> , 2015 , 5, A30	2.5	9
292	Further considerations of cosmic ray modulation of infra-red radiation in the atmosphere. <i>Astroparticle Physics</i> , 2015 , 68, 52-60	2.4	2
291	Reply to 'Drivers of the 2013/14 winter floods in the UK'. <i>Nature Climate Change</i> , 2015 , 5, 491-492	21.4	1
290	Solar Stormwatch: tracking solar eruptions. SOLAR STORMWATCH. <i>Astronomy and Geophysics</i> , 2015 , 56, 4.20-4.24	0.2	5
289	Galactic Cosmic Ray Modulation near the Heliospheric Current Sheet. <i>Solar Physics</i> , 2014 , 289, 2653-2668	2.6	23
288	IMPLICATIONS OF THE RECENT LOW SOLAR MINIMUM FOR THE SOLAR WIND DURING THE MAUNDER MINIMUM. <i>Astrophysical Journal Letters</i> , 2014 , 781, L7	7.9	21
287	Potential influences on the United Kingdom's floods of winter 2013/14. <i>Nature Climate Change</i> , 2014 , 4, 769-777	21.4	122
286	Solar cycle evolution of dipolar and pseudostreamer belts and their relation to the slow solar wind. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 36-46	2.6	34
285	The Solar Stormwatch CME catalogue: Results from the first space weather citizen science project. <i>Space Weather</i> , 2014 , 12, 657-674	3.7	20
284	Reconstruction of geomagnetic activity and near-Earth interplanetary conditions over the past 167 yr [Part 4: Near-Earth solar wind speed, IMF, and open solar flux. <i>Annales Geophysicae</i> , 2014 , 32, 383-399	2	53

283	Centennial variations in sunspot number, open solar flux and streamer belt width: 3. Modeling. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 5193-5209	2.6	28
282	Centennial variations in sunspot number, open solar flux, and streamer belt width: 2. Comparison with the geomagnetic data. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 5183-5192	2.6	19
281	Centennial variations in sunspot number, open solar flux, and streamer belt width: 1. Correction of the sunspot number record since 1874. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 5172-5182	2.6	44
280	Reconstruction of geomagnetic activity and near-Earth interplanetary conditions over the past 167 yr [Part 3: Improved representation of solar cycle 11. <i>Annales Geophysicae</i> , 2014 , 32, 367-381	2	19
279	Evidence for solar wind modulation of lightning. <i>Environmental Research Letters</i> , 2014 , 9, 055004	6.2	40
278	Galactic cosmic rays in the heliosphere. <i>Astronomy and Geophysics</i> , 2014 , 55, 5.23-5.25	0.2	6
277	Modulation of UK lightning by heliospheric magnetic field polarity. <i>Environmental Research Letters</i> , 2014 , 9, 115009	6.2	23
276	The 22-Year Hale Cycle in Cosmic Ray Flux – Evidence for Direct Heliospheric Modulation. <i>Solar Physics</i> , 2014 , 289, 407-421	2.6	34
275	Solar cycle evolution of dipolar and pseudostreamer belts and their relation to the slow solar wind 2014 , 119, 36		1
274	Observations of Coherent Transverse Ion Acceleration. <i>Geophysical Monograph Series</i> , 2013 , 50-55	1.1	17
273	Transport of Accelerated Low-Energy Ions in the Polar Magnetosphere. <i>Geophysical Monograph Series</i> , 2013 , 56-60	1.1	3
272	Ion Energization in Upwelling Ion Events. <i>Geophysical Monograph Series</i> , 2013 , 61-66	1.1	13
271	Solar origin of heliospheric magnetic field inversions: Evidence for coronal loop opening within pseudostreamers. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 1868-1879	2.6	50
270	Ground-Based and Satellite Observations of the Cusp: Evidence for Pulsed Magnetopause Reconnection. <i>Geophysical Monograph Series</i> , 2013 , 417-426	1.1	9
269	Comment on "What causes the flux excess in the heliospheric magnetic field?" by E. J. Smith. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 1880-1887	2.6	5
268	Reconstruction of geomagnetic activity and near-Earth interplanetary conditions over the past 167 yr [Part 2: A new reconstruction of the interplanetary magnetic field. <i>Annales Geophysicae</i> , 2013 , 31, 1979-1992	2	28
267	Reconstruction and Prediction of Variations in the Open Solar Magnetic Flux and Interplanetary Conditions. <i>Living Reviews in Solar Physics</i> , 2013 , 10, 1	24.8	85
266	Reconstruction of geomagnetic activity and near-Earth interplanetary conditions over the past 167 yr [Part 1: A new geomagnetic data composite. <i>Annales Geophysicae</i> , 2013 , 31, 1957-1977	2	32

265	Cosmic ray modulation of infra-red radiation in the atmosphere. <i>Environmental Research Letters</i> , 2013 , 8, 015026	6.2	9
264	Direct observations of the evolution of polar cap ionization patches. <i>Science</i> , 2013 , 339, 1597-600	33.3	89
263	Polar cap patch segmentation of the tongue of ionization in the morning convection cell. <i>Geophysical Research Letters</i> , 2013 , 40, 2918-2922	4.9	48
262	Heliospheric modulation of galactic cosmic rays during grand solar minima: Past and future variations. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	47
261	Solar cycle 24: what is the Sun up to?. <i>Astronomy and Geophysics</i> , 2012 , 53, 3.09-3.15	0.2	21
260	What influence will future solar activity changes over the 21st century have on projected global near-surface temperature changes?. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		28
259	Cyclic loss of open solar flux since 1868: The link to heliospheric current sheet tilt and implications for the Maunder Minimum. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		54
258	Correction to Solar influences on climate. <i>Reviews of Geophysics</i> , 2012 , 50,	23.1	5
257	Predicting the arrival of high-speed solar wind streams at Earth using the STEREO Heliospheric Imagers. <i>Space Weather</i> , 2012 , 10, n/a-n/a	3.7	14
256	Solar Influence on Global and Regional Climates. <i>Surveys in Geophysics</i> , 2012 , 33, 503-534	7.6	111
255	Inner plasma structure of the low-latitude reconnection layer. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		7
254	Solar Influence on Global and Regional Climates. <i>Space Sciences Series of ISSI</i> , 2012 , 171-202	0.1	1
253	How is open solar magnetic flux lost over the solar cycle?. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		49
252	A survey of gradual solar energetic particle events. <i>Journal of Geophysical Research</i> , 2011 , 116,		11
251	Centennial changes in the heliospheric magnetic field and open solar flux: The consensus view from geomagnetic data and cosmogenic isotopes and its implications. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		37
250	Was UV spectral solar irradiance lower during the recent low sunspot minimum?. <i>Journal of Geophysical Research</i> , 2011 , 116,		13
249	Solar cycle 24: Implications for energetic particles and long-term space climate change. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	33
248	The persistence of solar activity indicators and the descent of the Sun into Maunder Minimum conditions. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	36

247	Predicting space climate change. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	53
246	On the importance of interplanetary magnetic field By on polar cap patch formation. <i>Journal of Geophysical Research</i> , 2011 , 116,		102
245	The distribution of the ring current: Cluster observations. <i>Annales Geophysicae</i> , 2011 , 29, 1655-1662	2	22
244	Extended magnetic reconnection across the dayside magnetopause. <i>Physical Review Letters</i> , 2011 , 107, 025004	7.4	39
243	Cloud base height and cosmic rays. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2011 , 467, 2777-2791	2.4	20
242	The solar influence on the probability of relatively cold UK winters in the future. <i>Environmental Research Letters</i> , 2011 , 6, 034004	6.2	14
241	Solar change and climate: an update in the light of the current exceptional solar minimum. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2010 , 466, 303-329	2.4	95
240	Top-down solar modulation of climate: evidence for centennial-scale change. <i>Environmental Research Letters</i> , 2010 , 5, 034008	6.2	35
239	Are cold winters in Europe associated with low solar activity?. <i>Environmental Research Letters</i> , 2010 , 5, 024001	6.2	130
238	Intermittent release of transients in the slow solar wind: 1. Remote sensing observations. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		62
237	Intermittent release of transients in the slow solar wind: 2. In situ evidence. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		42
236	SOLAR INFLUENCES ON CLIMATE. <i>Reviews of Geophysics</i> , 2010 , 48,	23.1	827
235	Enhanced signature of solar variability in Eurasian winter climate. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	89
234	Simultaneous observations of reconnection pulses at Cluster and their effects on the cusp aurora observed at the Chinese Yellow River Station. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		14
233	Results from the CERN pilot CLOUD experiment. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 1635-1647	6.8	78
232	Cusp observations during a sequence of fast IMF B_z reversals. <i>Annales Geophysicae</i> , 2009 , 27, 2721-2737	2	5
231	A Multispacecraft Analysis of a Small-Scale Transient Entrained by Solar Wind Streams. <i>Solar Physics</i> , 2009 , 256, 307-326	2.6	83
230	Stereoscopic imaging of an Earth-impacting solar coronal mass ejection: A major milestone for the STEREO mission. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	99

229	Excess open solar magnetic flux from satellite data: 1. Analysis of the third perihelion Ulysses pass. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		26
228	Excess open solar magnetic flux from satellite data: 2. A survey of kinematic effects. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		48
227	Transpolar voltage and polar cap flux during the substorm cycle and steady convection events. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		27
226	A solar storm observed from the Sun to Venus using the STEREO, Venus Express, and MESSENGER spacecraft. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		61
225	THE RISE AND FALL OF OPEN SOLAR FLUX DURING THE CURRENT GRAND SOLAR MAXIMUM. <i>Astrophysical Journal</i> , 2009 , 700, 937-944	4.7	127
224	THE ACCURACY OF USING THE ULYSSES RESULT OF THE SPATIAL INVARIANCE OF THE RADIAL HELIOSPHERIC FIELD TO COMPUTE THE OPEN SOLAR FLUX. <i>Astrophysical Journal</i> , 2009 , 701, 964-973	4.7	30
223	First imaging of corotating interaction regions using the STEREO spacecraft. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	149
222	Effects of solar wind magnetosphere coupling recorded at different geomagnetic latitudes: Separation of directly-driven and storage/release systems. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	51
221	Recent oppositely directed trends in solar climate forcings and the global mean surface air temperature. II. Different reconstructions of the total solar irradiance variation and dependence on response time scale. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2008 , 464, 1367-1385	2.4	38
220	Recent changes in solar outputs and the global mean surface temperature. III. Analysis of contributions to global mean air surface temperature rise. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2008 , 464, 1387-1404	2.4	28
219	An optical study of multiple NEIAL events driven by low energy electron precipitation. <i>Annales Geophysicae</i> , 2008 , 26, 2435-2447	2	6
218	Centennial changes in the solar wind speed and in the open solar flux. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		70
217	Recent oppositely directed trends in solar climate forcings and the global mean surface air temperature. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2007 , 463, 2447-2460	2.4	121
216	Solar wind-magnetosphere coupling functions on timescales of 1 day to 1 year. <i>Annales Geophysicae</i> , 2007 , 25, 495-506	2	55
215	Does the Sun affect the Earth's climate?. <i>Astronomy and Geophysics</i> , 2007 , 48, 3.07-3.07	0.2	3
214	The Rough Guide to the Moon and Mars. <i>Astronomy and Geophysics</i> , 2007 , 48, 6.11-6.17	0.2	14
213	The Latitudinal Effect of Corotating Interaction Regions on Galactic Cosmic Rays. <i>Solar Physics</i> , 2007 , 245, 191-206	2.6	17
212	What do Cosmogenic Isotopes Tell us About Past Solar Forcing of Climate?. <i>Space Science Reviews</i> , 2007 , 125, 95-109	7.5	22

211	Centennial changes in solar activity and the response of galactic cosmic rays. <i>Advances in Space Research</i> , 2007 , 40, 1078-1086	2.4	8
210	INTEGRATED RAY TRACING MODEL FOR END-TO-END PERFORMANCE VERIFICATION OF AMON-RA INSTRUMENT. <i>Journal of Astronomy and Space Sciences</i> , 2007 , 24, 69-78		2
209	OPTICAL PERFORMANCE OF BREADBOARD AMON-RA IMAGING CHANNEL INSTRUMENT FOR DEEP SPACE ALBEDO MEASUREMENT. <i>Journal of Astronomy and Space Sciences</i> , 2007 , 24, 79-90		1
208	Modeling the observed proton aurora and ionospheric convection responses to changes in the IMF clock angle: 2. Persistence of ionospheric convection. <i>Journal of Geophysical Research</i> , 2006 , 111,		8
207	Comment on The IDV index: Its derivation and use in inferring long-term variations of the interplanetary magnetic field strength by Leif Svalgaard and Edward W. Cliver. <i>Journal of Geophysical Research</i> , 2006 , 111,		36
206	A numerical model of the ionospheric signatures of time-varying magnetic reconnection: III. Quasi-instantaneous convection responses in the Cowley-Lockwood paradigm. <i>Annales Geophysicae</i> , 2006 , 24, 961-972	2	14
205	Phase calibration of the EISCAT Svalbard Radar interferometer using optical satellite signatures. <i>Annales Geophysicae</i> , 2006 , 24, 2419-2427	2	4
204	Energetic electron signatures in an active magnetotail plasma sheet. <i>Advances in Space Research</i> , 2006 , 38, 1608-1614	2.4	1
203	What Do Cosmogenic Isotopes Tell Us about Past Solar Forcing of Climate? 2006 , 95-109		1
202	Modeling the observed proton aurora and ionospheric convection responses to changes in the IMF clock angle: 1. Persistence of cusp proton aurora. <i>Journal of Geophysical Research</i> , 2005 , 110,		3
201	Solar Outputs, Their Variations and Their Effects on Earth 2005 , 109-306		10
200	Coordinated Cluster/Double Star observations of dayside reconnection signatures. <i>Annales Geophysicae</i> , 2005 , 23, 2867-2875	2	42
199	Motion of the dayside polar cap boundary during substorm cycles: II. Generation of poleward-moving events and polar cap patches by pulses in the magnetopause reconnection rate. <i>Annales Geophysicae</i> , 2005 , 23, 3513-3532	2	32
198	A numerical model of the ionospheric signatures of time-varying magnetic reconnection: II. Measuring expansions in the ionospheric flow response. <i>Annales Geophysicae</i> , 2005 , 23, 2501-2510	2	6
197	Motion of the dayside polar cap boundary during substorm cycles: I. Observations of pulses in the magnetopause reconnection rate. <i>Annales Geophysicae</i> , 2005 , 23, 3495-3511	2	21
196	Oscillations in the open solar magnetic flux with a period of 1.68 years: imprint on galactic cosmic rays and implications for heliospheric shielding. <i>Annales Geophysicae</i> , 2004 , 22, 4381-4395	2	38
195	Open solar flux estimates from near-Earth measurements of the interplanetary magnetic field: comparison of the first two perihelion passes of the Ulysses spacecraft. <i>Annales Geophysicae</i> , 2004 , 22, 1395-1405	2	46
194	A comparison between ion characteristics observed by the POLAR and DMSP spacecraft in the high-latitude magnetosphere. <i>Annales Geophysicae</i> , 2004 , 22, 1033-1046	2	3

193	The dynamics and relationships of precipitation, temperature and convection boundaries in the dayside auroral ionosphere. <i>Annales Geophysicae</i> , 2004 , 22, 1973-1987	2	26
192	Extended cusp-like regions and their dependence on the Polar orbit, seasonal variations, and interplanetary conditions. <i>Journal of Geophysical Research</i> , 2004 , 109,		8
191	A numerical model of the ionospheric signatures of time-varying magnetic reconnection: I. ionospheric convection. <i>Annales Geophysicae</i> , 2004 , 22, 73-91	2	29
190	Twenty-three cycles of changing open solar magnetic flux. <i>Journal of Geophysical Research</i> , 2003 , 108,		58
189	IMF control of cusp proton emission intensity and dayside convection: implications for component and anti-parallel reconnection. <i>Annales Geophysicae</i> , 2003 , 21, 955-982	2	19
188	An evaluation of the correlation between open solar flux and total solar irradiance. <i>Astronomy and Astrophysics</i> , 2002 , 382, 678-687	5.1	30
187	The Evolution of the Sun's Open Magnetic Flux II. A Single Bipole. <i>Solar Physics</i> , 2002 , 207, 291-308	2.6	36
186	The Evolution of the Sun's Open Magnetic Flux III. Full Solar Cycle Simulations. <i>Solar Physics</i> , 2002 , 209, 287-309	2.6	60
185	Relationship between the near-Earth interplanetary field and the coronal source flux: Dependence on timescale. <i>Journal of Geophysical Research</i> , 2002 , 107, SSH 1-1-SSH 1-6		8
184	Nightside studies of coherent HF Radar spectral width behaviour. <i>Annales Geophysicae</i> , 2002 , 20, 1399-1413		4
183	Ground-based observations of the auroral zone and polar cap ionospheric responses to dayside transient reconnection. <i>Annales Geophysicae</i> , 2002 , 20, 781-794	2	17
182	The Sun-Earth Connection in Time Scales from Years to Decades and Centuries. <i>Space Science Reviews</i> , 2001 , 95, 625-637	7.5	30
181	Ionospheric ion and electron heating at the poleward boundary of a poleward expanding substorm-disturbed region. <i>Journal of Geophysical Research</i> , 2001 , 106, 12845-12862		1
180	Long-term changes in the solar photosphere associated with changes in the coronal source flux. <i>Geophysical Research Letters</i> , 2001 , 28, 1443-1446	4.9	6
179	Long-term variations in the magnetic fields of the Sun and the heliosphere: Their origin, effects, and implications. <i>Journal of Geophysical Research</i> , 2001 , 106, 16021-16038		70
178	Cusp ion steps, field-aligned currents and poleward moving auroral forms. <i>Journal of Geophysical Research</i> , 2001 , 106, 29555-29569		28
177	Reconnection at the high-latitude magnetopause during northward interplanetary magnetic field conditions. <i>Journal of Geophysical Research</i> , 2001 , 106, 25467-25488		126
176	Coordinated Cluster, ground-based instrumentation and low-altitude satellite observations of transient poleward-moving events in the ionosphere and in the tail lobe. <i>Annales Geophysicae</i> , 2001 , 19, 1589-1612	2	18

175	Dawn-dusk asymmetry in particles of solar wind origin within the magnetosphere. <i>Annales Geophysicae</i> , 2001 , 19, 1-9	2	14
174	Coordinated Cluster and ground-based instrument observations of transient changes in the magnetopause boundary layer during an interval of predominantly northward IMF: relation to reconnection pulses and FTE signatures. <i>Annales Geophysicae</i> , 2001 , 19, 1613-1640	2	24
173	Coordinated ground-based, low altitude satellite and Cluster observations on global and local scales during a transient post-noon sector excursion of the magnetospheric cusp. <i>Annales Geophysicae</i> , 2001 , 19, 1367-1398	2	9
172	Ground-based and satellite observations of high-latitude auroral activity in the dusk sector of the auroral oval. <i>Annales Geophysicae</i> , 2001 , 19, 1683-1696	2	4
171	Long term changes in EUV and X-ray emissions from the solar corona and chromosphere as measured by the response of the Earth's ionosphere during total solar eclipses from 1932 to 1999. <i>Annales Geophysicae</i> , 2001 , 19, 263-273	2	21
170	Ionospheric measurements of relative coronal brightness during the total solar eclipses of 11 August, 1999 and 9 July, 1945. <i>Annales Geophysicae</i> , 2000 , 18, 182-190	2	24
169	Plasma structure within poleward-moving cusp/cleft auroral transients: EISCAT Svalbard radar observations and an explanation in terms of large local time extent of events. <i>Annales Geophysicae</i> , 2000 , 18, 1027-1042	2	20
168	Simultaneous optical and radar signatures of poleward-moving auroral forms. <i>Annales Geophysicae</i> , 2000 , 18, 1054-1066	2	21
167	ESR and EISCAT observations of the response of the cusp and cleft to IMF orientation changes. <i>Annales Geophysicae</i> , 2000 , 18, 1009-1026	2	23
166	Solar wind control of magnetospheric energy content: Substorm quenching and multiple onsets. <i>Journal of Geophysical Research</i> , 2000 , 105, 5335-5356		11
165	Our changing Sun. <i>Astronomy and Geophysics</i> , 1999 , 40, 4.10-4.16	0.2	17
164	A doubling of the Sun's coronal magnetic field during the past 100 years. <i>Nature</i> , 1999 , 399, 437-439	50.4	431
163	Plasma transfer processes at the magnetopause. <i>Space Science Reviews</i> , 1999 , 88, 207-283	7.5	60
162	The correct application of Poynting's theorem to the time-dependent magnetosphere: reply to Heikkila. <i>Annales Geophysicae</i> , 1999 , 17, 178-181	2	6
161	Reconfiguration and closure of lobe flux by reconnection during northward IMF: possible evidence for signatures in cusp/cleft auroral emissions. <i>Annales Geophysicae</i> , 1999 , 17, 996-1011	2	39
160	A multipoint study of a substorm occurring on 7 December, 1992, and its theoretical implications. <i>Annales Geophysicae</i> , 1999 , 17, 1369-1384	2	8
159	Comment on A statistical study of the ionospheric convection response to changing interplanetary magnetic field conditions using the assimilative mapping of ionospheric electrodynamics technique by A.J. Ridley et al.. <i>Journal of Geophysical Research</i> , 1999 , 104, 4387-4391		33
158	The source population for the cusp and cleft/LLBL for southward IMF. <i>Geophysical Research Letters</i> , 1999 , 26, 1665-1668	4.9	10

157	Long-term drift of the coronal source magnetic flux and the total solar irradiance. <i>Geophysical Research Letters</i> , 1999 , 26, 2461-2464	4.9	89
156	Evidence of component merging equatorward of the cusp. <i>Journal of Geophysical Research</i> , 1999 , 104, 22623-22633		52
155	Coherent EISCAT Svalbard Radar spectra from the dayside cusp/cleft and their implications for transient field-aligned currents. <i>Journal of Geophysical Research</i> , 1999 , 104, 24613-24624		9
154	Solar causes of the long-term increase in geomagnetic activity. <i>Journal of Geophysical Research</i> , 1999 , 104, 28325-28342		113
153	Predicting Solar Disturbance Effects on Navigation Systems. <i>Journal of Navigation</i> , 1999 , 52, 203-216	2.3	2
152	The low-latitude boundary layer: Application of ISTP advances to past data. <i>Geophysical Monograph Series</i> , 1999 , 103-111	1.1	2
151	Temporal and spatial variability of auroral forms in the 10 ^h MLT sector: Relationship to plasma convection and solar wind-magnetosphere coupling. <i>Earth, Planets and Space</i> , 1998 , 50, 663-682	2.9	5
150	Effects of a mid-latitude solar eclipse on the thermosphere and ionosphere - A modelling study. <i>Geophysical Research Letters</i> , 1998 , 25, 3787-3790	4.9	78
149	The first real-time worldwide ionospheric predictions network: An advance in support of spaceborne experimentation, on-line model validation, and space weather. <i>Geophysical Research Letters</i> , 1998 , 25, 449-452	4.9	8
148	Modelling signatures of pulsed magnetopause reconnection in cusp ion dispersion signatures seen at middle altitudes. <i>Geophysical Research Letters</i> , 1998 , 25, 591-594	4.9	30
147	On the cause of a magnetospheric flux transfer event. <i>Journal of Geophysical Research</i> , 1998 , 103, 26453-26478	4.2	
146	Identifying the Open-Closed Field Line Boundary 1998 , 73-90		14
145	A Summary of the NATO ASI on Polar Cap Boundary Phenomena 1998 , 415-432		4
144	Cluster's last stand?. <i>Astronomy and Geophysics</i> , 1997 , 38, 21-25	0.2	2
143	Relationship of dayside auroral precipitations to the open-closed separatrix and the pattern of convective flow. <i>Journal of Geophysical Research</i> , 1997 , 102, 17475-17487		42
142	How the magnetopause transition parameter works. <i>Geophysical Research Letters</i> , 1997 , 24, 373-376	4.9	31
141	OPPORTUNITIES FOR MAGNETOSPHERIC RESEARCH WITH COORDINATED CLUSTER AND GROUND-BASED OBSERVATIONS 1997 , 79, 599-637		5
140	High-Latitude Particle Precipitation and its Relationship to Magnetospheric Source Regions 1997 , 80, 77-107		20

139	Ionospheric and geomagnetic responses to changes in IMF <i><sub>Z</sub></i>; a superposed epoch study. <i>Annales Geophysicae</i> , 1997 , 15, 217-230	2	11
138	Energy and pitch-angle dispersions of LLBL/cusp ions seen at middle altitudes: predictions by the open magnetosphere model. <i>Annales Geophysicae</i> , 1997 , 15, 1501-1514	2	18
137	Incoherent scatter radar observations related to magnetospheric dynamics. <i>Advances in Space Research</i> , 1997 , 20, 873-882	2.4	6
136	Testing substorm theories: The need for multipoint observations. <i>Advances in Space Research</i> , 1997 , 20, 883-894	2.4	5
135	High-Latitude Particle Precipitation and its Relationship to Magnetospheric Source Regions 1997 , 77-107		
134	Opportunities for Magnetospheric Research with Coordinated Cluster and Ground-Based Observations 1997 , 599-637		1
133	Ionospheric and geomagnetic responses to changes in IMF. <i>Annales Geophysicae</i> , 1997 , 15, 217	2	2
132	The case for transient magnetopause reconnection. <i>Eos</i> , 1996 , 77, 246	1.5	10
131	Ion populations on open field lines within the dayside low-latitude boundary Layer: Theory and observations during a transient event. <i>Geophysical Research Letters</i> , 1996 , 23, 2895-2898	4.9	19
130	Dayside moving auroral transients related to LLBL dynamics. <i>Geophysical Research Letters</i> , 1996 , 23, 3247-3250	2.4	24
129	Ion acceleration at both the interior and exterior Alfvén waves associated with the magnetopause reconnection site: Signatures in cusp precipitation. <i>Journal of Geophysical Research</i> , 1996 , 101, 21501-21513		24
128	Earth's magnetospheric cusps. <i>Reviews of Geophysics</i> , 1996 , 34, 233-260	23.1	126
127	Variability of dayside high latitude convection associated with a sequence of auroral transients. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1996 , 58, 85-96		10
126	An analysis of the accuracy of magnetopause reconnection rate variations deduced from cusp ion dispersion characteristics. <i>Annales Geophysicae</i> , 1996 , 14, 149-161	2	10
125	Multi-instrument ground-based observations of a travelling convection vortices event. <i>Annales Geophysicae</i> , 1996 , 14, 162-181	2	54
124	On the longitudinal extent of magnetopause reconnection pulses. <i>Annales Geophysicae</i> , 1996 , 14, 865-878		30
123	EISCAT/CRRES observations: nightside ionospheric ion outflow and oxygen-rich substorm injections. <i>Annales Geophysicae</i> , 1996 , 14, 1032-1043	2	14
122	Predicted signatures of pulsed reconnection in ESR data. <i>Annales Geophysicae</i> , 1996 , 14, 1246-1256	2	5

121	Time-dependent flows in the coupled solar wind-magnetosphere-ionosphere system. <i>Advances in Space Research</i> , 1996 , 18, 141-150	2.4	9
120	EISCAT/CRRES observations: nightside ionospheric ion outflow and oxygen-rich substorm injections. <i>Annales Geophysicae</i> , 1996 , 14, 1032	2	15
119	Predicted signatures of pulsed reconnection in ESR data. <i>Annales Geophysicae</i> , 1996 , 14, 1246	2	4
118	The response of ionospheric convection in the polar cap to substorm activity. <i>Annales Geophysicae</i> , 1995 , 13, 147-158	2	6
117	Large-scale fields and flows in the magnetosphere-ionosphere system. <i>Surveys in Geophysics</i> , 1995 , 16, 389-441	7.6	7
116	Rapid changes in LLBL thickness. <i>Geophysical Research Letters</i> , 1995 , 22, 77-80	4.9	14
115	Occurrence probability, width and number of steps of cusp precipitation for fully pulsed reconnection at the dayside magnetopause. <i>Journal of Geophysical Research</i> , 1995 , 100, 7627		14
114	Causes of plasma flow bursts and dayside auroral transients: An evaluation of two models Invoking reconnection pulses and changes in the Y component of the magnetosheath field. <i>Journal of Geophysical Research</i> , 1995 , 100, 7613		16
113	Development of substorm cross-tail current disruption as seen from the ground. <i>Journal of Geophysical Research</i> , 1995 , 100, 9633		10
112	Flow-aligned jets in the magnetospheric cusp: Results from the Geospace Environment Modeling Pilot Program. <i>Journal of Geophysical Research</i> , 1995 , 100, 7649		42
111	Overlapping cusp ion injections: An explanation invoking magnetopause reconnection. <i>Geophysical Research Letters</i> , 1995 , 22, 1141-1144	4.9	15
110	The contribution of flux transfer events to convection. <i>Geophysical Research Letters</i> , 1995 , 22, 1185-1188	4.9	35
109	Location and characteristics of the reconnection X line deduced from low-altitude satellite and ground-based observations: 2. Defense Meteorological Satellite Program and European Incoherent Scatter data. <i>Journal of Geophysical Research</i> , 1995 , 100, 21803-21813		14
108	Location and characteristics of the reconnection X line deduced from low-altitude satellite and ground-based observations: 1. Theory. <i>Journal of Geophysical Research</i> , 1995 , 100, 21791-21802		22
107	Events of enhanced convection and related dayside auroral activity. <i>Journal of Geophysical Research</i> , 1995 , 100, 23917		47
106	Opportunities for Magnetospheric Research Using EISCAT/ESR and Cluster.. <i>Journal of Geomagnetism and Geoelectricity</i> , 1995 , 47, 699-719		6
105	EISCAT observations of unusual flows in the morning sector associated with weak substorm activity. <i>Annales Geophysicae</i> , 1994 , 12, 541-553	2	4
104	Reply [to Comments on Production of polar cap electron density patches by transient magnetopause reconnections] <i>Geophysical Research Letters</i> , 1994 , 21, 2337-2338	4.9	

103	Comment on Ionospheric signatures of dayside magnetopause transients: A case study using satellite and ground measurements by Denig et al.. <i>Journal of Geophysical Research</i> , 1994 , 99, 4253		4
102	Multiple, discrete arcs on sunward convecting field lines in the 14-15 MLT region. <i>Journal of Geophysical Research</i> , 1994 , 99, 6113		32
101	Low and middle altitude cusp particle signatures for general magnetopause reconnection rate variations: 1. Theory. <i>Journal of Geophysical Research</i> , 1994 , 99, 8531		127
100	Comment on By fluctuations in the magnetosheath and azimuthal flow velocity transients in the dayside ionosphere by Newell and Sibeck. <i>Geophysical Research Letters</i> , 1994 , 21, 1819-1820	4-9	9
99	The characteristics of the magnetopause reconnection X-line deduced from low-altitude satellite observations of cusp ions. <i>Geophysical Research Letters</i> , 1994 , 21, 2757-2760	4-9	20
98	Ionospheric Signatures of Pulsed Magnetopause Reconnection 1994 , 229-243		20
97	On the quasi-periodic nature of magnetopause flux transfer events. <i>Journal of Geophysical Research</i> , 1993 , 98, 5935-5940		108
96	On the voltage and distance across the low latitude boundary layer. <i>Geophysical Research Letters</i> , 1993 , 20, 145-148	4-9	14
95	Variability of dayside convection and motions of the cusp/cleft aurora. <i>Geophysical Research Letters</i> , 1993 , 20, 1011-1014	4-9	40
94	Comment on Mapping the dayside ionosphere to the magnetosphere according to particle precipitation characteristics by Newell and Meng. <i>Geophysical Research Letters</i> , 1993 , 20, 1739-1740	4-9	26
93	Implications of the altitude of transient 630-nm dayside auroral emissions. <i>Journal of Geophysical Research</i> , 1993 , 98, 15571		35
92	Ionospheric convection response to slow, strong variations in a northward interplanetary magnetic field: A case study for January 14, 1988. <i>Journal of Geophysical Research</i> , 1993 , 98, 19273-19292		67
91	Ionospheric signatures of pulsed reconnection at the Earth's magnetopause. <i>Nature</i> , 1993 , 361, 424-428	50.4	98
90	EISCAT observations of ion composition and temperature anisotropy in the high-latitude F-region. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1993 , 55, 895-906		16
89	Modelling high-latitude ionosphere for time-varying plasma convection. <i>IEE Proceedings H: Microwaves, Antennas and Propagation</i> , 1993 , 140, 91		6
88	Production of polar cap electron density patches by transient magnetopause reconnection. <i>Geophysical Research Letters</i> , 1992 , 19, 1731-1734	4-9	149
87	The variation of reconnection rate at the dayside magnetopause and cusp ion precipitation. <i>Journal of Geophysical Research</i> , 1992 , 97, 14841		126
86	Dayside ionospheric convection changes in response to long-period interplanetary Magnetic field oscillations: Determination of the ionospheric phase velocity. <i>Journal of Geophysical Research</i> , 1992 , 97, 19373		56

85	The statistical cusp: a flux transfer event model. <i>Planetary and Space Science</i> , 1992 , 40, 1251-1268	2	49
84	The excitation of ionospheric convection. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1991 , 53, 177-199		24
83	The interconnection of the magnetic fields of the Earth and the Sun. <i>Endeavour</i> , 1991 , 15, 126-132	0.5	
82	On flow reversal boundaries and transpolar voltage in average models of high-latitude convection. <i>Planetary and Space Science</i> , 1991 , 39, 397-409	2	32
81	Variability of the interplanetary medium at 1 a.u. over 24 years: 1963-1986. <i>Planetary and Space Science</i> , 1991 , 39, 411-423	2	60
80	Dependence of convective flows and particle precipitation in the high-latitude dayside ionosphere on the X and Y components of the interplanetary magnetic field. <i>Journal of Geophysical Research</i> , 1991 , 96, 5557		214
79	Flux transfer events at the dayside magnetopause: Transient reconnection or magnetosheath dynamic pressure pulses?. <i>Journal of Geophysical Research</i> , 1991 , 96, 5497		42
78	Comment on [ionospheric convection response to changing IMF direction] by Knipp et al.. <i>Geophysical Research Letters</i> , 1991 , 18, 2173-2174	4.9	4
77	Sondrestrom and EISCAT radar observations of poleward-moving auroral forms. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1990 , 52, 411-420		4
76	Measuring ion temperatures and studying the ion energy balance in the high-latitude ionosphere. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1990 , 52, 501-517		18
75	The excitation of plasma convection in the high-latitude ionosphere. <i>Journal of Geophysical Research</i> , 1990 , 95, 7961		148
74	Characteristics of the high-latitude trough. <i>Advances in Space Research</i> , 1990 , 10, 191-196	2.4	10
73	A statistical study of large field-aligned flows of thermal ions at high-latitudes. <i>Planetary and Space Science</i> , 1990 , 38, 1187-1201	2	29
72	Auroral and plasma flow transients at magnetic noon. <i>Planetary and Space Science</i> , 1990 , 38, 973-993	2	28
71	The Response of the Magnetosphere-Ionosphere System to Solar Wind Dynamic Pressure Variations. <i>Geophysical Monograph Series</i> , 1990 , 611-618	1.1	9
70	DE-2 Observations of Filamentary Currents at Ionospheric Altitudes. <i>Geophysical Monograph Series</i> , 1990 , 591-598	1.1	3
69	Transient reconnection: Search for ionospheric signatures. <i>Eos</i> , 1990 , 71, 709	1.5	22
68	Reply [to [Comment on [low-altitude signatures of the cusp and flux transfer events]]] <i>Geophysical Research Letters</i> , 1990 , 17, 305-306	4.9	26

67	Reply [to Comment on: Low-altitude signatures of the cusp and flux transfer events] by Mike Lockwood and Mark F. Smith. <i>Geophysical Research Letters</i> , 1990 , 17, 657-658	4.9	6
66	the pulsating cusp. <i>Geophysical Research Letters</i> , 1990 , 17, 1069-1072	4.9	69
65	Short-term variability of solar wind number density, speed and dynamic pressure as a function of the interplanetary magnetic field components: A survey over two solar cycles. <i>Geophysical Research Letters</i> , 1990 , 17, 1825-1828	4.9	8
64	Periodic auroral events at the high-latitude convection reversal in the 16 MLT region. <i>Geophysical Research Letters</i> , 1990 , 17, 1877-1880	4.9	7
63	Flux transfer events at the magnetopause and in the ionosphere. <i>Geophysical Research Letters</i> , 1990 , 17, 2241-2244	4.9	63
62	Midday auroral breakup events and related energy and momentum transfer from the magnetosheath. <i>Journal of Geophysical Research</i> , 1990 , 95, 1039		155
61	The ionospheric signatures of flux transfer events and solar wind dynamic pressure changes. <i>Journal of Geophysical Research</i> , 1990 , 95, 17113		109
60	Auroral bright spot sequence near 1400 MLT: Coordinated optical and ion drift observations. <i>Journal of Geophysical Research</i> , 1990 , 95, 21095		12
59	Analysis of incoherent scatter radar data from non-thermal F-region plasma. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1989 , 51, 483-495		32
58	The effect of rapid changes in ionospheric flow on velocity vectors deduced from radar beam-swinging experiments. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1989 , 51, 125-138		12
57	Observations of large field-aligned flows of thermal plasma in the auroral ionosphere. <i>Advances in Space Research</i> , 1989 , 9, 57-63	2.4	17
56	Interplanetary magnetic field control of dayside auroral activity and the transfer of momentum across the dayside magnetopause. <i>Planetary and Space Science</i> , 1989 , 37, 1347-1365	2	159
55	June 1987 GISMOS experiment: Preliminary report on high time resolution, multi-radar measurements. <i>Advances in Space Research</i> , 1989 , 9, 29-33	2.4	4
54	Ion flows and heating at a contracting polar-cap boundary: GISMOS observations indicating viscous-like interaction on the flanks of the magnetotail. <i>Advances in Space Research</i> , 1989 , 9, 39-44	2.4	6
53	Analysis of incoherent scatter spectra from non-Maxwellian plasma. <i>Advances in Space Research</i> , 1989 , 9, 103-106	2.4	1
52	Radar observations of non-thermal plasmas at different aspect angles. <i>Advances in Space Research</i> , 1989 , 9, 107-112	2.4	11
51	Incoherent scatter radar observations of non-Maxwellian ion velocity distributions in the auroral F-region. <i>Advances in Space Research</i> , 1989 , 9, 113-118	2.4	26
50	Pressure-driven magnetopause motions and attendant response on the ground. <i>Planetary and Space Science</i> , 1989 , 37, 589-607	2	113

49	Dayside auroral activity and magnetic flux transfer from the solar wind. <i>Geophysical Research Letters</i> , 1989 , 16, 33-36	4.9	65
48	Comment on "The effect of strong velocity shears on incoherent scatter spectra: A new interpretation of unusual high latitude spectra" <i>Geophysical Research Letters</i> , 1989 , 16, 337-338	4.9	1
47	Low-altitude signatures of the cusp and flux transfer events. <i>Geophysical Research Letters</i> , 1989 , 16, 879-882	4.8	74
46	The influence of anisotropic F region ion velocity distributions on ionospheric ion outflows into the magnetosphere. <i>Journal of Geophysical Research</i> , 1989 , 94, 1347		11
45	Observations of nonthermal plasmas at different aspect angles. <i>Journal of Geophysical Research</i> , 1989 , 94, 1439		17
44	Recent ionospheric observations relating to solar-wind-magnetosphere coupling. <i>Philosophical Transactions of the Royal Society A</i> , 1989 , 328, 93-105		17
43	Response time of the high-latitude dayside ionosphere to sudden changes in the north-south component of the IMF. <i>Planetary and Space Science</i> , 1988 , 36, 1415-1428	2	86
42	On the determination of ion temperature in the auroral F-region ionosphere. <i>Planetary and Space Science</i> , 1988 , 36, 1295-1304	2	29
41	The dependence of high-latitude dayside ionospheric flows on the North-South component of the IMF: A high time resolution correlation analysis using EISCAT Polar and AMPTE UKS and IRM data. <i>Planetary and Space Science</i> , 1988 , 36, 471-498	2	128
40	Large plasma velocities along the magnetic field line in the auroral zone. <i>Nature</i> , 1988 , 336, 231-232	50.4	34
39	Observations at the magnetopause and in the auroral ionosphere of momentum transfer from the solar wind. <i>Advances in Space Research</i> , 1988 , 8, 281-299	2.4	36
38	Ion flows and heating at a contracting polar-cap boundary. <i>Planetary and Space Science</i> , 1988 , 36, 1229-1253		32
37	Flow in the high latitude ionosphere: measurements at 15s resolution made using the EISCAT Polar experiment. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1988 , 50, 423-446		23
36	Scattered power from non-thermal, F-region plasma observed by EISCAT—evidence for coherent echoes?. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1988 , 50, 467-485		22
35	Model predictions of the occurrence of non-Maxwellian plasmas, and analysis of their effects on EISCAT data. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1988 , 50, 487-499		11
34	Comparisons between EISCAT observations and model calculations of the high latitude ionosphere. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1988 , 50, 1057-1076		6
33	Ionospheric ion upwelling in the wake of flux transfer events at the dayside magnetopause. <i>Journal of Geophysical Research</i> , 1988 , 93, 5641		39
32	Vertical Ion Flow in the Polar Ionosphere. <i>Geophysical Monograph Series</i> , 1988 , 229-240	1.1	12

31	Non-Maxwellian ion velocity distributions observed using EISCAT. <i>Geophysical Research Letters</i> , 1987 , 14, 111-114	4.9	68
30	The modelled occurrence of non-thermal plasma in the ionospheric F-region and the possible consequences for ion outflows into the magnetosphere. <i>Geophysical Research Letters</i> , 1987 , 14, 371-374 ^{4.9}		35
29	Correction to "The modelled occurrence of non-thermal plasma in the ionospheric F-region and the possible consequences for ion outflows into the magnetosphere" <i>Geophysical Research Letters</i> , 1987 , 14, 581-582	4.9	15
28	Non-thermal plasma observations using EISCAT: Aspect angle dependence. <i>Geophysical Research Letters</i> , 1987 , 14, 957-960	4.9	42
27	Low-energy ion flows into the magnetosphere. <i>Advances in Space Research</i> , 1986 , 6, 63-77	2.4	13
26	Low-energy ion outflows from the ionosphere during a major polar cap expansion [evidence for equatorward motion of inverted-V structures. <i>Advances in Space Research</i> , 1986 , 6, 93-101	2.4	19
25	A survey of simultaneous observations of the high-latitude ionosphere and interplanetary magnetic field with EISCAT and AMPTE-UKS. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1986 , 48, 987-1008		44
24	Eastward propagation of a plasma convection enhancement following a southward turning of the interplanetary magnetic field. <i>Geophysical Research Letters</i> , 1986 , 13, 72-75	4.9	72
23	EISCAT observations of bursts of rapid flow in the high latitude dayside ionosphere. <i>Geophysical Research Letters</i> , 1986 , 13, 909-912	4.9	71
22	Upwelling O ⁺ ion source characteristics. <i>Journal of Geophysical Research</i> , 1986 , 91, 7019		117
21	Solar Wind Control of the Geomagnetic Mass Spectrometer. <i>Astrophysics and Space Science Library</i> , 1986 , 707-716	0.3	5
20	The geomagnetic mass spectrometer [mass and energy dispersions of ionospheric ion flows into the magnetosphere. <i>Nature</i> , 1985 , 316, 612-613	50.4	34
19	Superthermal ion signatures of auroral acceleration processes. <i>Journal of Geophysical Research</i> , 1985 , 90, 1611		71
18	A new source of suprathermal O ⁺ ions near the dayside polar cap boundary. <i>Journal of Geophysical Research</i> , 1985 , 90, 4099		195
17	The cleft ion fountain. <i>Journal of Geophysical Research</i> , 1985 , 90, 9736		219
16	The cleft ion fountain: A two-dimensional kinetic model. <i>Journal of Geophysical Research</i> , 1985 , 90, 9749		110
15	Field-perpendicular and field-aligned plasma flows observed by EISCAT during a prolonged period of northward IMF. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1984 , 46, 473-488		12
14	EISCAT observations of plasma convection and the high-latitude, winter F-region during substorm activity. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1984 , 46, 489-499		7

13	Thermospheric control of the auroral source of O ⁺ ions for the magnetosphere. <i>Journal of Geophysical Research</i> , 1984 , 89, 301-315		26
12	Simplified estimation of ray-path mirroring height for HF radiowaves reflected from the ionospheric F-region. <i>IEE Proceedings, Part F: Communications, Radar and Signal Processing</i> , 1984 , 131, 117		1
11	Simple M-factor algorithm for improved estimation of the basic maximum usable frequency of radio waves reflected from the ionospheric F-region. <i>IEE Proceedings, Part F: Communications, Radar and Signal Processing</i> , 1983 , 130, 296		2
10	Field-aligned plasma flow in the quiet, mid-latitude ionosphere deduced from topside soundings. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1983 , 45, 1-14		13
9	Departures from diffusive equilibrium in the topside F-layer from satellite soundings. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1982 , 44, 425-440		16
8	Thermal ion flows in the topside auroral ionosphere and the effects of low-altitude, transverse acceleration. <i>Planetary and Space Science</i> , 1982 , 30, 595-609	2	31
7	A simple model of the effects of the mid-latitude total ion trough in the bottomside F layer on HF radiowave propagation. <i>Radio Science</i> , 1981 , 16, 385-391	1.4	6
6	Ionospheric origin of magnetospheric O ⁺ ions. <i>Geophysical Research Letters</i> , 1981 , 8, 381-384	4.9	37
5	Oblique h.f. radiowave propagation in the main trough region of the ionosphere. <i>Radio and Electronic Engineer</i> , 1980 , 50, 559		2
4	The bottomside mid-latitude ionospheric trough. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1980 , 42, 605-615		5
3	Detection and Attribution of Climate Change: from Global to Regional	867-952	77
2	Towards GIC forecasting: Statistical downscaling of the geomagnetic field to improve geoelectric field forecasts. <i>Space Weather</i> , e2021SW002903		3-7
1	Results from the CERN pilot CLOUD experiment		3