

R Giles Harrison

List of Publications by Year in descending order

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Version: 2024-02-01

211
papers

7,315
citations

71061

41
h-index

74108

75
g-index

237
all docs

237
docs citations

237
times ranked

4936
citing authors

#	ARTICLE	IF	CITATIONS
1	Atmospheric electrical field measurements near a fresh water reservoir and the formation of the lake breeze. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 68, 31592.	0.8	13
2	Enhanced attraction between drops carrying fluctuating charge distributions. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2022, 478, 20210714.	1.0	7
3	Measuring electrical properties of the lower troposphere using enhanced meteorological radiosondes. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2022, 11, 37-57.	0.6	3
4	Pressure anomalies from the <scp>January</scp> 2022 <scp>Hunga Tongaâ€“Hunga Ha'apai</scp> eruption. <i>Weather</i> , 2022, 77, 87-90.	0.6	19
5	Atmospheric waves and global seismoacoustic observations of the January 2022 Hunga eruption, Tonga. <i>Science</i> , 2022, 377, 95-100.	6.0	170
6	Modifying natural droplet systems by charge injection. <i>Physical Review Research</i> , 2022, 4, .	1.3	2
7	Challenges in coupling atmospheric electricity with biological systems. <i>International Journal of Biometeorology</i> , 2021, 65, 45-58.	1.3	23
8	Make your own met measurements: build a digital barometer for about Â£10. <i>Weather</i> , 2021, 76, 45-47.	0.6	1
9	Demonstration of a Remotely Piloted Atmospheric Measurement and Charge Release Platform for Geoengineering. <i>Journal of Atmospheric and Oceanic Technology</i> , 2021, 38, 63-75.	0.5	10
10	Using a network of temperature lidars to identify temperature biases in the upper stratosphere in ECMWF reanalyses. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 6079-6092.	1.9	12
11	Quantifying uncertainties in climate data: measurement limitations of naturally ventilated thermometer screens. <i>Environmental Research Communications</i> , 2021, 3, 061005.	0.9	7
12	John Latham (1937â€“2021). <i>Weather</i> , 2021, 76, 297-297.	0.6	0
13	Characteristics of Desert Precipitation in the UAE Derived from a Ceilometer Dataset. <i>Atmosphere</i> , 2021, 12, 1245.	1.0	5
14	Fair weather electric field meter for atmospheric science platforms. <i>Journal of Electrostatics</i> , 2020, 107, 103489.	1.0	10
15	Rapid indirect solar responses observed in the lower atmosphere. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2020, 476, .	1.0	8
16	Precipitation Modification by Ionization. <i>Physical Review Letters</i> , 2020, 124, 198701.	2.9	11
17	Pressure on the boiling point. <i>Weather</i> , 2020, 75, 128-129.	0.6	0
18	Climatological summaries of Thomas Hughesâ€™ meteorological data, for Stroud, UK (1775â€“1813). <i>Geoscience Data Journal</i> , 2020, 7, 44-60.	1.8	0

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19	Extensive layer clouds in the global electric circuit: their effects on vertical charge distribution and storage. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2020, 476, 20190758.	1.0	11
20	Shall I compare thee to a summer's day? Art thou more temperate? Sometimes too hot the eye of heaven shines. Weather, 2020, 75, 172-174.	0.6	3
21	Consistent dust electrification from Arabian Gulf sea breezes. Environmental Research Letters, 2020, 15, 084050.	2.2	7
22	Behind the curve: a comparison of historical sources for the Carnegie curve of the global atmospheric electric circuit. History of Geo- and Space Sciences, 2020, 11, 207-213.	0.1	8
23	A global atmospheric electricity monitoring network for climate and geophysical research. Journal of Atmospheric and Solar-Terrestrial Physics, 2019, 184, 18-29.	0.6	71
24	Shear-induced electrical changes in the base of thin layer cloud. Quarterly Journal of the Royal Meteorological Society, 2019, 145, 3667-3679.	1.0	5
25	Atmospheric Electricity Influencing Biogeochemical Processes in Soils and Sediments. Frontiers in Physiology, 2019, 10, 378.	1.3	12
26	Intensification of single cell storms prior to lightning onset. Atmospheric Science Letters, 2019, 20, e873.	0.8	3
27	First In Situ Observations of Gaseous Volcanic Plume Electrification. Geophysical Research Letters, 2019, 46, 3532-3539.	1.5	16
28	Meteorological Source Variability in Atmospheric Gravity Wave Parameters Derived From a Tropical Infrasound Station. Journal of Geophysical Research D: Atmospheres, 2019, 124, 4352-4364.	1.2	1
29	Evaluation of ARM tethered-balloon system instrumentation for supercooled liquid water and distributed temperature sensing in mixed-phase Arctic clouds. Atmospheric Measurement Techniques, 2019, 12, 6845-6864.	1.2	12
30	Mathematical Simulation of the Ionospheric Electric Field as a Part of the Global Electric Circuit. Surveys in Geophysics, 2019, 40, 1-35.	2.1	20
31	Calculating Atmospheric Gravity Wave Parameters from Infrasound Measurements. , 2019, , 701-719.		6
32	A Mathematical Model of the Ionospheric Electric Field Which Closes the Global Electric Circuit. Springer Proceedings in Earth and Environmental Sciences, 2019, , 455-463.	0.2	1
33	The Potential Impact of Upper Stratospheric Measurements on Sub-seasonal Forecasts in the Extra-Tropics. , 2019, , 889-907.		13
34	Electrical sensing of the dynamical structure of the planetary boundary layer. Atmospheric Research, 2018, 202, 81-95.	1.8	18
35	The mysterious long-range transport of giant mineral dust particles. Science Advances, 2018, 4, eaau2768.	4.7	147
36	Saharan dust plume charging observed over the UK. Environmental Research Letters, 2018, 13, 054018.	2.2	23

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37	Fair weather criteria for atmospheric electricity measurements. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2018, 179, 239-250.	0.6	72
38	Asperitas - a newly identified cloud supplementary feature. <i>Weather</i> , 2017, 72, 132-141.	0.6	3
39	Measuring ionizing radiation in the atmosphere with a new balloonborne detector. <i>Space Weather</i> , 2017, 15, 663-672.	1.3	11
40	Note: A miniature oscillating microbalance for sampling ice and volcanic ash from a small airborne platform. <i>Review of Scientific Instruments</i> , 2017, 88, 086108.	0.6	3
41	Evaluating stratiform cloud base charge remotely. <i>Geophysical Research Letters</i> , 2017, 44, 6407-6412.	1.5	13
42	SolarDriven Variation in the Atmosphere of Uranus. <i>Geophysical Research Letters</i> , 2017, 44, 12,083.	1.5	7
43	Note: A self-calibrating wide range electrometer for in-cloud measurements. <i>Review of Scientific Instruments</i> , 2017, 88, 126109.	0.6	7
44	The weather's response to a solar eclipse. <i>Astronomy and Geophysics</i> , 2017, 58, 4.11-4.16.	0.1	2
45	Applications of Electrified Dust and Dust Devil Electrodynamics to Martian Atmospheric Electricity. <i>Space Sciences Series of ISSI</i> , 2017, , 299-345.	0.0	0
46	Stratiform cloud electrification: comparison of theory with multiple incloud measurements. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2016, 142, 2679-2691.	1.0	38
47	The National Eclipse Weather Experiment: use and evaluation of a citizen science tool for schools outreach. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20150223.	1.6	10
48	Determining solar effects in Neptune's atmosphere. <i>Nature Communications</i> , 2016, 7, 11976.	5.8	16
49	Balloon measurements of the vertical ionization profile over southern Israel and comparison to mid-latitude observations. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2016, 149, 87-92.	0.6	5
50	The National Eclipse Weather Experiment: an assessment of citizen scientist weather observations. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20150220.	1.6	9
51	The solar eclipse: a natural meteorological experiment. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20150225.	1.6	25
52	Eclipse-induced wind changes over the British Isles on the 20 March 2015. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20150224.	1.6	17
53	Saharan dust electrification perceived by a triangle of atmospheric electricity stations in Southern Portugal. <i>Journal of Electrostatics</i> , 2016, 84, 106-120.	1.0	17
54	Point discharge current measurements beneath dust devils. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2016, 150-151, 55-60.	0.6	6

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55	Coordinated weather balloon solar radiation measurements during a solar eclipse. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20150221.	1.6	15
56	Atmospheric Electrification in Dusty, Reactive Gases in the Solar System and Beyond. <i>Surveys in Geophysics</i> , 2016, 37, 705-756.	2.1	19
57	Applications of Electrified Dust and Dust Devil Electrodynamics to Martian Atmospheric Electricity. <i>Space Science Reviews</i> , 2016, 203, 299-345.	3.7	72
58	The predictability of the extratropical stratosphere on monthly time scales and its impact on the skill of tropospheric forecasts. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2015, 141, 987-1003.	1.0	162
59	On the microphysical effects of observed cloud edge charging. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2015, 141, 2690-2699.	1.0	34
60	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.	1.5	23
61	ELECTRICITY IN THE ATMOSPHERE Ions in the Atmosphere. , 2015, , 9-13.		2
62	Focus on high energy particles and atmospheric processes. <i>Environmental Research Letters</i> , 2015, 10, 100201.	2.2	0
63	Note: A balloon-borne accelerometer technique for measuring atmospheric turbulence. <i>Review of Scientific Instruments</i> , 2015, 86, 016109.	0.6	18
64	Energetic Particle Influence on the Earth's Atmosphere. <i>Space Science Reviews</i> , 2015, 194, 1-96.	3.7	183
65	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.	0.6	60
66	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.	0.6	22
67	Atmospheric electric fields during the Carrington flare. <i>Astronomy and Geophysics</i> , 2014, 55, 5.32-5.37.	0.1	8
68	Note: Active optical detection of cloud from a balloon platform. <i>Review of Scientific Instruments</i> , 2014, 85, 066104.	0.6	14
69	Vertical profile measurements of lower troposphere ionisation. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2014, 119, 203-210.	0.6	31
70	Detection of Lower Tropospheric Responses to Solar Energetic Particles at Midlatitudes. <i>Physical Review Letters</i> , 2014, 112, 225001.	2.9	36
71	Brief Communication: Earthquake–cloud coupling through the global atmospheric electric circuit. <i>Natural Hazards and Earth System Sciences</i> , 2014, 14, 773-777.	1.5	28
72	Atmospheric electric field measurements in urban environment and the pollutant aerosol weekly dependence. <i>Environmental Research Letters</i> , 2014, 9, 114025.	2.2	44

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73	Modulation of UK lightning by heliospheric magnetic field polarity. Environmental Research Letters, 2014, 9, 115009.	2.2	28
74	A new South American network to study the atmospheric electric field and its variations related to geophysical phenomena. Journal of Atmospheric and Solar-Terrestrial Physics, 2014, 120, 70-79.	0.6	32
75	Influence of short-term solar disturbances on the fair weather conduction current. Journal of Space Weather and Space Climate, 2014, 4, A26.	1.1	19
76	Space weather driven changes in lower atmosphere phenomena. Journal of Atmospheric and Solar-Terrestrial Physics, 2013, 98, 22-30.	0.6	18
77	Lightning-Induced Extensive Charge Sheets Provide Long Range Electrostatic Thunderstorm Detection. Physical Review Letters, 2013, 111, 045003.	2.9	16
78	Note: Geiger tube coincidence counter for lower atmosphere radiosonde measurements. Review of Scientific Instruments, 2013, 84, 076103.	0.6	10
79	Energetic Charged Particles Above Thunderclouds. Surveys in Geophysics, 2013, 34, 1-41.	2.1	26
80	The Carnegie Curve. Surveys in Geophysics, 2013, 34, 209-232.	2.1	149
81	Note: Atmospheric point discharge current measurements using a temperature-compensated logarithmic current amplifier. Review of Scientific Instruments, 2013, 84, 066103.	0.6	13
82	Reconstruction of geomagnetic activity and near-Earth interplanetary conditions over the past 167 yr – Part 2: A new reconstruction of the interplanetary magnetic field. Annales Geophysicae, 2013, 31, 1979-1992.	0.6	32
83	Reconstruction of geomagnetic activity and near-Earth interplanetary conditions over the past 167 yr – Part 1: A new geomagnetic data composite. Annales Geophysicae, 2013, 31, 1957-1977.	0.6	38
84	Electrical signature in polar night cloud base variations. Environmental Research Letters, 2013, 8, 015027.	2.2	15
85	Electron acceleration above thunderclouds. Environmental Research Letters, 2013, 8, 035027.	2.2	22
86	In situ detection of electrified aerosols in the upper troposphere and stratosphere. Atmospheric Chemistry and Physics, 2013, 13, 11187-11194.	1.9	9
87	Lord Kelvin's atmospheric electricity measurements. History of Geo- and Space Sciences, 2013, 4, 83-95.	0.1	18
88	Diagnosing eclipse-induced wind changes. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2012, 468, 1839-1850.	1.0	23
89	Note: Programmable data acquisition system for research measurements from meteorological radiosondes. Review of Scientific Instruments, 2012, 83, 036106.	0.6	23
90	Balloon-borne disposable radiometer for cloud detection. Review of Scientific Instruments, 2012, 83, 025111.	0.6	17

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91	Recent advances in global electric circuit coupling between the space environment and the troposphere. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2012, 90-91, 198-211.	0.6	130
92	Aerosol-induced correlation between visibility and atmospheric electricity. <i>Journal of Aerosol Science</i> , 2012, 52, 121-126.	1.8	19
93	Ventilation effects on humidity measurements in thermometer screens. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2012, 138, 1114-1120.	1.0	17
94	Electromagnetic Atmosphere-Plasma Coupling: The Global Atmospheric Electric Circuit. <i>Space Science Reviews</i> , 2012, 168, 363-384.	3.7	55
95	Note: Programmable data acquisition system for research measurements from meteorological radiosondes. <i>Review of Scientific Instruments</i> , 2012, 83, 036106.	0.6	1
96	Fair weather atmospheric electricity. <i>Journal of Physics: Conference Series</i> , 2011, 301, 012001.	0.3	18
97	Scorch marks from the sky. <i>Weather</i> , 2011, 66, 39-41.	0.6	13
98	The cloud chamber and CTR Wilson's legacy to atmospheric science. <i>Weather</i> , 2011, 66, 276-279.	0.6	14
99	Lag-time effects on a naturally ventilated large thermometer screen. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2011, 137, 402-408.	1.0	26
100	A.C./D.C. atmospheric global electric circuit phenomena. , 2011, , .		2
101	Cloud base height and cosmic rays. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2011, 467, 2777-2791.	1.0	22
102	Observations of Saharan dust layer electrification. <i>Environmental Research Letters</i> , 2011, 6, 014001.	2.2	56
103	Inferring convective responses to El Niño with atmospheric electricity measurements at Shetland. <i>Environmental Research Letters</i> , 2011, 6, 044028.	2.2	20
104	Electromagnetic Atmosphere-Plasma Coupling: The Global Atmospheric Electric Circuit. <i>Space Sciences Series of ISSI</i> , 2011, , 363-384.	0.0	1
105	Results from the CERN pilot CLOUD experiment. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 1635-1647.	1.9	96
106	Solar modulation in surface atmospheric electricity. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2010, 72, 176-182.	0.6	46
107	Atmospheric electricity coupling between earthquake regions and the ionosphere. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2010, 72, 376-381.	0.6	135
108	Observing Forbush decreases in cloud at Shetland. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2010, 72, 1408-1414.	0.6	34

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109	Natural ventilation effects on temperatures within Stevenson screens. Quarterly Journal of the Royal Meteorological Society, 2010, 136, 253-259.	1.0	25
110	Top-down solar modulation of climate: evidence for centennial-scale change. Environmental Research Letters, 2010, 5, 034008.	2.2	42
111	Self-charging of the Eyjafjallajökull volcanic ash plume. Environmental Research Letters, 2010, 5, 024004.	2.2	79
112	Are cold winters in Europe associated with low solar activity?. Environmental Research Letters, 2010, 5, 024001.	2.2	148
113	Compact cosmic ray detector for unattended atmospheric ionization monitoring. Review of Scientific Instruments, 2010, 81, 124501.	0.6	5
114	Experimental determination of layer cloud edge charging from cosmic ray ionisation. Geophysical Research Letters, 2010, 37, .	1.5	57
115	Comparison of balloon-carried atmospheric motion sensors with Doppler lidar turbulence measurements. Review of Scientific Instruments, 2009, 80, 026108.	0.6	8
116	Two daily smoke maxima in eighteenth century London air. Atmospheric Environment, 2009, 43, 1364-1366.	1.9	11
117	Anthropogenic snowfall events in the UK: examples of urban weather modification?. Weather, 2009, 64, 277-280.	0.6	6
118	Evidence for global circuit current flow through water droplet layers. Journal of Atmospheric and Solar-Terrestrial Physics, 2009, 71, 1219-1221.	0.6	22
119	Vertical current flow through extensive layer clouds. Journal of Atmospheric and Solar-Terrestrial Physics, 2009, 71, 2040-2046.	0.6	29
120	Observed atmospheric electricity effect on clouds. Environmental Research Letters, 2009, 4, 014003.	2.2	21
121	A lightweight balloon-carried cloud charge sensor. Review of Scientific Instruments, 2009, 80, 014501.	0.6	21
122	Surface measurement system for the atmospheric electrical vertical conduction current density, with displacement current density correction. Journal of Atmospheric and Solar-Terrestrial Physics, 2008, 70, 1373-1381.	0.6	42
123	Cosmic Ray Induced Ion Production in the Atmosphere. Space Science Reviews, 2008, 137, 149-173.	3.7	232
124	Ions in the Terrestrial Atmosphere and Other Solar System Atmospheres. Space Science Reviews, 2008, 137, 107-118.	3.7	53
125	Electrical Charging of Volcanic Plumes. Space Science Reviews, 2008, 137, 399-418.	3.7	76
126	Profiles of Ion and Aerosol Interactions in Planetary Atmospheres. Space Science Reviews, 2008, 137, 193-211.	3.7	18

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127	An Overview of Earth's Global Electric Circuit and Atmospheric Conductivity. Space Science Reviews, 2008, 137, 83-105.	3.7	192
128	Investigating Earth's Atmospheric Electricity: a Role Model for Planetary Studies. Space Science Reviews, 2008, 137, 11-27.	3.7	53
129	Tropospheric New Particle Formation and the Role of Ions. Space Science Reviews, 2008, 137, 241-255.	3.7	55
130	Planetary Atmospheric Electricity. Space Science Reviews, 2008, 137, 5-10.	3.7	20
131	Air-earth current density measurements at Lerwick; implications for seasonality in the global electric circuit. Atmospheric Research, 2008, 89, 181-193.	1.8	17
132	Retrospective cloud determinations from surface solar radiation measurements. Atmospheric Research, 2008, 90, 54-62.	1.8	37
133	Planetary Atmospheric Electricity. Space Sciences Series of ISSI, 2008, , 5-10.	0.0	1
134	An Overview of Earth's Global Electric Circuit and Atmospheric Conductivity. Space Sciences Series of ISSI, 2008, , 83-105.	0.0	20
135	Ions in the Terrestrial Atmosphere and Other Solar System Atmospheres. Space Sciences Series of ISSI, 2008, , 107-118.	0.0	9
136	Cosmic Ray Induced Ion Production in the Atmosphere. Space Sciences Series of ISSI, 2008, , 149-173.	0.0	25
137	Profiles of Ion and Aerosol Interactions in Planetary Atmospheres. Space Sciences Series of ISSI, 2008, , 193-211.	0.0	1
138	Tropospheric New Particle Formation and the Role of Ions. Space Sciences Series of ISSI, 2008, , 241-255.	0.0	28
139	Electrical Charging of Volcanic Plumes. Space Sciences Series of ISSI, 2008, , 399-418.	0.0	7
140	Enhancement of cloud formation by droplet charging. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2008, 464, 2561-2573.	1.0	59
141	Discrimination between cosmic ray and solar irradiance effects on clouds, and evidence for geophysical modulation of cloud thickness. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2008, 464, 2575-2590.	1.0	29
142	A double Gerdien instrument for simultaneous bipolar air conductivity measurements on balloon platforms. Review of Scientific Instruments, 2008, 79, 084502.	0.6	8
143	Retrieval of global atmospheric electrical activity at a polluted urban site. Journal of Physics: Conference Series, 2008, 142, 012013.	0.3	2
144	Investigating Earth's Atmospheric Electricity: a Role Model for Planetary Studies. Space Sciences Series of ISSI, 2008, , 11-27.	0.0	8

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145	A three-dimensional magnetometer for motion sensing of a balloon-carried atmospheric measurement package. <i>Review of Scientific Instruments</i> , 2007, 78, 124501.	0.6	7
146	Electrical properties of surface atmospheric air at Eskdalemuir, 1909–1911. <i>Atmospheric Research</i> , 2007, 84, 182-188.	1.8	11
147	Water vapour changes and atmospheric cluster ions. <i>Atmospheric Research</i> , 2007, 85, 199-208.	1.8	36
148	Heliospheric timescale identified in surface atmospheric electricity. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	20
149	Observations of the plume generated by the December 2005 oil depot explosions and prolonged fire at Buncefield (Hertfordshire, UK) and associated atmospheric changes. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2007, 463, 1153-1177.	1.0	15
150	Cosmic ray and air conductivity profiles retrieved from early twentieth century balloon soundings of the lower troposphere. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2007, 69, 515-527.	0.6	22
151	Atmospheric electricity in different weather conditions. <i>Weather</i> , 2007, 62, 277-283.	0.6	93
152	Comment on “Shielding effects of trees on the measurement of the Earth's electric field: Implications for secular variations of the global electrical circuit” by E. Williams et al.. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	4
153	In Situ Atmospheric Turbulence Measurement Using the Terrestrial Magnetic Field—A Compass for a Radiosonde. <i>Journal of Atmospheric and Oceanic Technology</i> , 2006, 23, 517-523.	0.5	18
154	Computationally efficient expressions for the collision efficiency between electrically charged aerosol particles and cloud droplets. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2006, 132, 1717-1731.	1.0	23
155	Electrification of volcanic plumes. <i>Surveys in Geophysics</i> , 2006, 27, 387-432.	2.1	120
156	Urban smoke concentrations at Kew, London, 1898–2004. <i>Atmospheric Environment</i> , 2006, 40, 3327-3332.	1.9	54
157	In situ calibration of atmospheric air conductivity instruments. <i>Review of Scientific Instruments</i> , 2006, 77, 016103.	0.6	17
158	Surface determination of the air-earth electrical current density using co-located sensors of different geometry. <i>Review of Scientific Instruments</i> , 2006, 77, 066104.	0.6	7
159	Thermopile radiometer signal conditioning for surface atmospheric radiation measurements. <i>Review of Scientific Instruments</i> , 2006, 77, 116105.	0.6	15
160	Fine wire resistance thermometer amplifier for atmospheric measurements. <i>Review of Scientific Instruments</i> , 2006, 77, 116112.	0.6	9
161	Effect of the troposphere on surface neutron counter measurements. <i>Advances in Space Research</i> , 2005, 35, 1484-1491.	1.2	16
162	Aurora diaries. <i>Astronomy and Geophysics</i> , 2005, 46, 4.31-4.34.	0.1	18

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163	Aerosol modulation of the optical and electrical properties of urban air. <i>Atmospheric Environment</i> , 2005, 39, 5205-5212.	1.9	11
164	Aerosol modulation of small ion growth in coastal air. <i>Atmospheric Environment</i> , 2005, 39, 5876-5883.	1.9	22
165	Columnar resistance changes in urban air. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2005, 67, 763-773.	0.6	29
166	Further signatures of long-term changes in atmospheric electrical parameters observed in Europe. <i>Annales Geophysicae</i> , 2005, 23, 1987-1995.	0.6	18
167	Programmable ion mobility spectrometer: Time resolution improvement and ion counter comparison. <i>Review of Scientific Instruments</i> , 2005, 76, 086109.	0.6	4
168	Meteorological radiosonde interface for atmospheric ion production rate measurements. <i>Review of Scientific Instruments</i> , 2005, 76, 126111.	0.6	13
169	Inexpensive multichannel digital data acquisition system for a meteorological radiosonde. <i>Review of Scientific Instruments</i> , 2005, 76, 026103.	0.6	18
170	Airâ€œearth current measurements at Kew, London, 1909â€œ1979. <i>Atmospheric Research</i> , 2005, 76, 49-64.	1.8	47
171	Factors contributing to the summer 2003 European heatwave. <i>Weather</i> , 2004, 59, 217-223.	0.6	454
172	The Global Atmospheric Electrical Circuit and Climate. <i>Surveys in Geophysics</i> , 2004, 25, 441-484.	2.1	115
173	Long-range correlations in measurements of the global atmospheric electric circuit. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2004, 66, 1127-1133.	0.6	16
174	Twentieth-century atmospheric electrical measurements at the observatories of Kew, Eskdalemuir and Lerwick. <i>Weather</i> , 2003, 58, 11-19.	0.6	45
175	Meteorological effects of the eclipse of 11 August 1999 in cloudy and clear conditions. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2003, 459, 353-371.	1.0	83
176	Reply to Comment by E. R. Williams on â€œTwentieth century secular in the atmospheric gradientâ€œ. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	10
177	Ion-aerosol-cloud processes in the lower atmosphere. <i>Reviews of Geophysics</i> , 2003, 41, .	9.0	303
178	Long-term changes in atmospheric electrical parameters observed at Nagyecenk (Hungary) and the UK observatories at Eskdalemuir and Kew. <i>Annales Geophysicae</i> , 2003, 21, 2193-2200.	0.6	41
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