Karen Aplin

List of Publications by Year
in descending order

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44	1,127	516215 16	414034 32
papers	citations	h-index	g-index

60	60	60	1410
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effectiveness of Martian regolith as a radiation shield. Planetary and Space Science, 2022, 218, 105517.	0.9	6
2	Stratospheric Xâ€Rays Detected at Midlatitudes With a Miniaturized Balloonâ€Borne Microscintillatorâ€PiN Diode System. Space Weather, 2021, 19, e2021SW002809.	1.3	2
3	The Atmospheric Structure of the Ice Giant Planets from In Situ Measurements by Entry Probes. Space Science Reviews, 2020, 216, 1.	3.7	5
4	Precipitation Modification by Ionization. Physical Review Letters, 2020, 124, 198701.	2.9	11
5	Atmospheric Electricity at the Ice Giants. Space Science Reviews, 2020, 216, 1.	3.7	14
6	A scientific career launched at the start of the space age: Michael Rycroft at 80. History of Geo- and Space Sciences, 2020, 11, 105-121.	0.1	0
7	Introduction to the special issue â€œAtmospheric electrical observatoriesâ€. History of Geo- and Space Sciences, 2020, 11, 137-138.	0.1	3
8	Shearâ€induced electrical changes in the base of thin layerâ€cloud. Quarterly Journal of the Royal Meteorological Society, 2019, 145, 3667-3679.	1.0	5
9	First In Situ Observations of Gaseous Volcanic Plume Electrification. Geophysical Research Letters, 2019, 46, 3532-3539.	1.5	16
10	Initiation of a lightning search using the lightning and airglow camera onboard the Venus orbiter Akatsuki. Earth, Planets and Space, 2018, 70, 88.	0.9	8
11	Atmospheric electricity at Durham: the scientific contributions and legacy of J. A. (“Skip”) Chalmers (1904–1967). History of Geo- and Space Sciences, 2018, 9, 25-35.	0.1	2
12	Lightning detection in planetary atmospheres. Weather, 2017, 72, 46-50.	0.6	9
13	Measuring ionizing radiation in the atmosphere with a new balloonâ€borne detector. Space Weather, 2017, 15, 663-672.	1.3	11
14	Evaluating stratiform cloud base charge remotely. Geophysical Research Letters, 2017, 44, 6407-6412.	1.5	13
15	Solarâ€Driven Variation in the Atmosphere of Uranus. Geophysical Research Letters, 2017, 44, 12,083.	1.5	7
16	Determining solar effects in Neptuneâ€™s atmosphere. Nature Communications, 2016, 7, 11976.	5.8	16
17	Atmospheric changes from solar eclipses. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150217.	1.6	39
18	Atmospheric Electrification in Dusty, Reactive Gases in the Solar System and Beyond. Surveys in Geophysics, 2016, 37, 705-756.	2.1	19

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19	Applications of Electrified Dust and Dust Devil Electrodynamics to Martian Atmospheric Electricity. Space Science Reviews, 2016, 203, 299-345.	3.7	72
20	Weather scientists cite Bob Dylan too. BMJ, The, 2016, 532, i265.	3.0	1
21	Is there a Rhythm Of The Rain? An analysis of weather in popular music. Weather, 2015, 70, 198-204.	0.6	1
22	Energetic Particle Influence on the Earthâ€™s Atmosphere. Space Science Reviews, 2015, 194, 1-96.	3.7	183
23	Atmospheric electric fields during the Carrington flare. Astronomy and Geophysics, 2014, 55, 5.32-5.37.	0.1	8
24	Brief Communication: Earthquakeâ€“cloud coupling through the global atmospheric electric circuit. Natural Hazards and Earth System Sciences, 2014, 14, 773-777.	1.5	28
25	Triboelectric Charging of Volcanic Ash from the 2011 GrÃmsvÃ¶tn Eruption. Physical Review Letters, 2013, 111, 118501.	2.9	41
26	Cosmic ray modulation of infra-red radiation in the atmosphere. Environmental Research Letters, 2013, 8, 015026.	2.2	10
27	Electrifying Atmospheres: Charging, Ionisation and Lightning in the Solar System and Beyond. SpringerBriefs in Astronomy, 2013, , .	1.6	34
28	Lord Kelvin's atmospheric electricity measurements. History of Geo- and Space Sciences, 2013, 4, 83-95.	0.1	18
29	Recent advances in global electric circuit coupling between the space environment and the troposphere. Journal of Atmospheric and Solar-Terrestrial Physics, 2012, 90-91, 198-211.	0.6	130
30	Whether weather affects music. Eos, 2012, 93, 347-348.	0.1	2
31	Smoke emissions from industrial western Scotland in 1859 inferred from Lord Kelvinâ€™s atmospheric electricity measurements. Atmospheric Environment, 2012, 50, 373-376.	1.9	26
32	Meteorological phenomena in Western classical orchestral music. Weather, 2011, 66, 300-306.	0.6	13
33	Results from the CERN pilot CLOUD experiment. Atmospheric Chemistry and Physics, 2010, 10, 1635-1647.	1.9	96
34	Compact cosmic ray detector for unattended atmospheric ionization monitoring. Review of Scientific Instruments, 2010, 81, 124501.	0.6	5
35	Investigating Earthâ€™s Atmospheric Electricity: aÂRole Model for Planetary Studies. Space Science Reviews, 2008, 137, 11-27.	3.7	53
36	Composition and Measurement of Charged Atmospheric Clusters. Space Science Reviews, 2008, 137, 213-224.	3.7	15

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37	Schumann Resonances as a Means of Investigating theÂElectromagnetic Environment inÂthe SolarÂSystem. Space Science Reviews, 2008, 137, 455-471.	3.7	22
38	Planetary Atmospheric Electricity. Space Science Reviews, 2008, 137, 5-10.	3.7	20
39	Electromagnetic wave propagation in the surfaceâ€ionosphere cavity of Venus. Journal of Geophysical Research, 2008, 113, .	3.3	17
40	An infrared filter radiometer for atmospheric cluster-ion detection. Review of Scientific Instruments, 2008, 79, 106107.	0.6	8
41	Atmospheric Electrification in the Solar System. Surveys in Geophysics, 2006, 27, 63-108.	2.1	75
42	Aspirated capacitor measurements of air conductivity and ion mobility spectra. Review of Scientific Instruments, 2005, 76, 104501.	0.6	16
43	A computer-controlled Gerdien atmospheric ion counter. Review of Scientific Instruments, 2000, 71, 3037-3041.	0.6	38
44	Meteorological effects and impacts of the 10 June 2021 solar eclipse over the British Isles, Iceland and Greenland. Weather, 0, , .	0.6	0