

SOLAR INFLUENCES ON CLIMATE

Reviews of Geophysics

48,

DOI: [10.1029/2009rg000282](https://doi.org/10.1029/2009rg000282)

Citation Report

#	ARTICLE	IF	CITATIONS
3	Observing Forbush decreases in cloud at Shetland. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2010, 72, 1408-1414.	0.6	34
4	A critical look at solar-climate relationships from long temperature series. <i>Climate of the Past</i> , 2010, 6, 745-758.	1.3	9
5	Climate and carbon-cycle variability over the last millennium. <i>Climate of the Past</i> , 2010, 6, 723-737.	1.3	284
7	Decadal variability of the tropical stratosphere: Secondary influence of the El Niño–Southern Oscillation. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	48
8	Role of the QBO in modulating the influence of the 11 year solar cycle on the atmosphere using constant forcings. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	93
9	Enhanced signature of solar variability in Eurasian winter climate. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	108
10	Solar cycle and climate predictions. <i>Nature Geoscience</i> , 2011, 4, 735-736.	5.4	16
11	Solar signal propagation: The role of gravity waves and stratospheric sudden warmings. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	14
12	Was UV spectral solar irradiance lower during the recent low sunspot minimum?. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	14
13	Is the stratospheric quasi-biennial oscillation affected by solar wind dynamic pressure via an annual cycle modulation?. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	5
14	Tropospheric forcing of the stratosphere: A comparative study of the two different major stratospheric warmings in 2009 and 2010. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	50
15	Middle atmosphere temperature trend and solar cycle revealed by long-term Rayleigh lidar observations. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	15
16	The vertical connection of the quasi-biennial oscillation-modulated 11 year solar cycle signature in geopotential height and planetary waves during Northern Hemisphere early winter. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	10
17	The minimal solar activity in 2008-2009 and its implications for long-term climate modeling. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	84
18	Origin and predictability of the extreme negative NAO winter of 2009/10. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	81
19	The average influence of decadal solar forcing on the atmosphere in the South Pacific region. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	16
20	Are the most recent estimates for Maunder Minimum solar irradiance in agreement with temperature reconstructions?. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	54
21	The Region at 69°N, 19°E: Trends, significances, and detectability. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	10

#	ARTICLE	IF	CITATIONS
22	Causes of low thermospheric density during the 2007-2009 solar minimum. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	116
23	Influence of the quasi-biennial oscillation and El Niño/Southern Oscillation on the frequency of sudden stratospheric warmings. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	30
24	Volcanic and solar activity, and atmospheric circulation influences on cosmogenic ¹⁰ Be fallout at Vostok and Concordia (Antarctica) over the last 60years. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 7132-7145.	1.6	65
25	Biogeochemical processes controlling oxygen and carbon isotopes of diatom silica in Late Glacial to Holocene lacustrine rhythmites. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011, 299, 413-425.	1.0	17
26	Structure and origin of Holocene cold events. <i>Quaternary Science Reviews</i> , 2011, 30, 3109-3123.	1.4	652
27	Solar forcing of winter climate variability in the Northern Hemisphere. <i>Nature Geoscience</i> , 2011, 4, 753-757.	5.4	312
28	Discerning connectivity from dynamics in climate networks. <i>Nonlinear Processes in Geophysics</i> , 2011, 18, 751-763.	0.6	75
29	Brown dwarfs and free-floating planets. , 0, , 209-216.		0
30	Formation and evolution. , 0, , 217-254.		3
31	Volcanic impact on the Atlantic Ocean over the last millennium. <i>Climate of the Past</i> , 2011, 7, 1439-1455.	1.3	58
32	Solar Activity and Svalbard Temperatures. <i>Advances in Meteorology</i> , 2011, 2011, 1-8.	0.6	6
33	Intercomparison of SCIAMACHY and SIM vis-IR irradiance over several solar rotational timescales. <i>Astronomy and Astrophysics</i> , 2011, 528, A67.	2.1	22
34	Sub-decadal- to decadal-scale climate cyclicity during the Holsteinian interglacial (MIS 11) evidenced in annually laminated sediments. <i>Climate of the Past</i> , 2011, 7, 987-999.	1.3	30
35	Climate forcing reconstructions for use in PMIP simulations of the last millennium (v1.0). <i>Geoscientific Model Development</i> , 2011, 4, 33-45.	1.3	349
36	Middle atmosphere response to the solar cycle in irradiance and ionizing particle precipitation. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 5045-5077.	1.9	77
37	The influence of solar variability and the quasi-biennial oscillation on lower atmospheric temperatures and sea level pressure. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 11679-11687.	1.9	27
38	The Smithsonian solar constant data revisited: no evidence for a strong effect of solar activity in ground-based insolation data. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 3291-3301.	1.9	8
39	Modeling of the atmospheric response to a strong decrease of the solar activity. <i>Proceedings of the International Astronomical Union</i> , 2011, 7, 215-224.	0.0	11

#	ARTICLE	IF	CITATIONS
40	A new approach to the long-term reconstruction of the solar irradiance leads to large historical solar forcing. <i>Astronomy and Astrophysics</i> , 2011, 529, A67.	2.1	255
41	Past UV-B flux from fossil pollen: prospects for climate, environment and evolution. <i>New Phytologist</i> , 2011, 192, 310-312.	3.5	9
42	Temporal derivative of Total Solar Irradiance and anomalous Indian summer monsoon: An empirical evidence for a Sun-climate connection. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2011, 73, 1980-1987.	0.6	26
43	Impact of galactic cosmic rays on Earth's atmosphere and human health. <i>Atmospheric Environment</i> , 2011, 45, 3806-3818.	1.9	43
44	Solar response in tropical stratospheric ozone: a 3-D chemical transport model study using ERA reanalyses. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 12773-12786.	1.9	27
45	Solar Activity, Lightning and Climate. <i>Surveys in Geophysics</i> , 2011, 32, 659-703.	2.1	66
46	Solar Spectral Irradiance Variations in 240-1600 nm During the Recent Solar Cycles 21-23. <i>Solar Physics</i> , 2011, 272, 159-188.	1.0	18
47	Use of models in detection and attribution of climate change. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2011, 2, 570-591.	3.6	225
48	Stratospheric temperature trends: our evolving understanding. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2011, 2, 592-616.	3.6	67
49	High- and low-frequency 11-year solar cycle signatures in the Southern Hemispheric winter and spring. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2011, 137, 1641-1656.	1.0	8
50	Alpine climate during the Holocene: a comparison between records of glaciers, lake sediments and solar activity. <i>Journal of Quaternary Science</i> , 2011, 26, 703-713.	1.1	56
51	Comment on "Strong signature of the active Sun in 100 years of terrestrial insolation data" by W. Weber. <i>Annalen Der Physik</i> , 2011, 523, 946-950.	0.9	3
52	Some anomalies of mesosphere/lower thermosphere parameters during the recent solar minimum. <i>Advances in Radio Science</i> , 0, 9, 343-348.	0.7	9
53	Patterns of change: whose fingerprint is seen in global warming?. <i>Environmental Research Letters</i> , 2011, 6, 044025.	2.2	12
54	Atmospheric Climate Change Detection by Radio Occultation Data Using a Fingerprinting Method. <i>Journal of Climate</i> , 2011, 24, 5275-5291.	1.2	53
56	Mechanisms Involved in the Amplification of the 11-yr Solar Cycle Signal in the Tropical Pacific Ocean. <i>Journal of Climate</i> , 2012, 25, 5102-5118.	1.2	30
57	The Lower-Stratospheric Response to 11-Yr Solar Forcing: Coupling to the Troposphere-Ocean Response. <i>Journals of the Atmospheric Sciences</i> , 2012, 69, 1841-1864.	0.6	43
58	Circulation changes in the winter lower atmosphere and long-lasting solar/geomagnetic activity. <i>Annales Geophysicae</i> , 2012, 30, 1719-1726.	0.6	7

#	ARTICLE	IF	CITATIONS
59	Variations in Tropical Cyclone Genesis Factors in Simulations of the Holocene Epoch. <i>Journal of Climate</i> , 2012, 25, 8196-8211.	1.2	51
60	Climate Statistics and Public Policy. <i>Statistics, Politics, and Policy</i> , 2012, 3, .	0.2	1
61	Persistent solar signatures in cloud cover: spatial and temporal analysis. <i>Environmental Research Letters</i> , 2012, 7, 044004.	2.2	27
62	Evidence of Suess solar-cycle bursts in subtropical Holocene speleothem $\delta^{18}O$ records. <i>Holocene</i> , 2012, 22, 597-602.	0.9	19
63	Assessing and Understanding the Impact of Stratospheric Dynamics and Variability on the Earth System. <i>Bulletin of the American Meteorological Society</i> , 2012, 93, 845-859.	1.7	146
64	Supervised Learning Approaches to Classify Sudden Stratospheric Warming Events. <i>Journals of the Atmospheric Sciences</i> , 2012, 69, 1824-1840.	0.6	27
65	Total solar irradiance data record accuracy and consistency improvements. <i>Metrologia</i> , 2012, 49, S29-S33.	0.6	39
66	Northern Hemisphere Stratospheric Polar Vortex Extremes in February under the Control of Downward Wave Flux in the Lower Stratosphere. <i>Atmospheric and Oceanic Science Letters</i> , 2012, 5, 183-188.	0.5	3
67	Understanding and forecasting polar stratospheric variability with statistical models. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 5691-5701.	1.9	6
68	Impact of solar-induced stratospheric ozone decline on Southern Hemisphere westerlies during the Late Maunder Minimum. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	11
69	Middle atmosphere response to different descriptions of the 11-yr solar cycle in spectral irradiance in a chemistry-climate model. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 5937-5948.	1.9	37
70	The climate in the Baltic Sea region during the last millennium simulated with a regional climate model. <i>Climate of the Past</i> , 2012, 8, 1419-1433.	1.3	48
71	The 11 year solar cycle signal in transient simulations from the Whole Atmosphere Community Climate Model. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	35
72	The enigmatic 1,500-year cycle. <i>Nature Geoscience</i> , 2012, 5, 850-851.	5.4	1
73	The faint young Sun problem. <i>Reviews of Geophysics</i> , 2012, 50, .	9.0	263
74	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
75	Ocean temperature response to idealized Gleissberg and de Vries solar cycles in a comprehensive climate model. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	21
76	Dynamical characterization of the last prolonged solar minima. <i>Advances in Space Research</i> , 2012, 50, 1434-1444.	1.2	42

#	ARTICLE	IF	CITATIONS
77	Atlantic Meridional Overturning Circulation response to idealized external forcing. <i>Climate Dynamics</i> , 2012, 39, 1709-1726.	1.7	31
78	Evaluating periodicities in peat-based climate proxy records. <i>Quaternary Science Reviews</i> , 2012, 41, 94-103.	1.4	31
79	The Medieval Climate Anomaly in the Iberian Peninsula reconstructed from marine and lake records. <i>Quaternary Science Reviews</i> , 2012, 43, 16-32.	1.4	210
80	Testing the robustness of a precipitation proxy-based North Atlantic Oscillation reconstruction. <i>Quaternary Science Reviews</i> , 2012, 45, 85-94.	1.4	77
81	Solar and volcanic fingerprints in tree-ring chronologies over the past 2000years. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012, 313-314, 127-139.	1.0	45
82	Strong evidence for the influence of solar cycles on a Late Miocene lake system revealed by biotic and abiotic proxies. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012, 329-330, 124-136.	1.0	38
83	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, .	3.3	36
84	Global electric circuit modulation of winter cyclone vorticity in the northern high latitudes. <i>Advances in Space Research</i> , 2012, 50, 806-818.	1.2	5
85	A working hypothesis for connections between electrically-induced changes in cloud microphysics and storm vorticity, with possible effects on circulation. <i>Advances in Space Research</i> , 2012, 50, 791-805.	1.2	43
86	The medieval climate anomaly in Europe: Comparison of the summer and annual mean signals in two reconstructions and in simulations with data assimilation. <i>Global and Planetary Change</i> , 2012, 84-85, 35-47.	1.6	57
87	Palaeolimnological evidence for an east-west climate see-saw in the Mediterranean since AD 900. <i>Global and Planetary Change</i> , 2012, 84-85, 23-34.	1.6	167
88	Making sense of palaeoclimate sensitivity. <i>Nature</i> , 2012, 491, 683-691.	13.7	247
89	Grain size records reveal variability of the East Asian Winter Monsoon since the Middle Holocene in the Central Yellow Sea mud area, China. <i>Science China Earth Sciences</i> , 2012, 55, 1656-1668.	2.3	71
90	The influence of spectral solar irradiance data on stratospheric heating rates during the 11 year solar cycle. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	24
91	The present-day decadal solar cycle modulation of Earth's radiative forcing via charged H_2SO_4/H_2O aerosol nucleation. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	26
92	Stratosphere-troposphere coupling at interdecadal time scales: Implications for the North Atlantic Ocean. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	33
93	Is there long-range memory in solar activity on timescales shorter than the sunspot period?. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	12
94	Global temperature response to radiative forcing: Solar cycle versus volcanic eruptions. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	33

#	ARTICLE	IF	CITATIONS
95	Impact of the solar cycle and the QBO on the atmosphere and the ocean. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	10
96	Solar influence on winter severity in central Europe. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	22
97	Sea surface temperature variability in southern Okinawa Trough during last 2700 years. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	32
98	Regional atmospheric circulation shifts induced by a grand solar minimum. <i>Nature Geoscience</i> , 2012, 5, 397-401.	5.4	233
99	What is the current state of scientific knowledge with regard to seasonal and decadal forecasting?. <i>Environmental Research Letters</i> , 2012, 7, 015602.	2.2	124
100	Fundamentals of climate change science. , 2012, , 39-71.		7
101	Solar Activity, Space Weather and the Earth's Climate. , 2012, , .		1
102	Statistical framework for evaluation of climate model simulations by use of climate proxy data from the last millennium – Part 2: A pseudo-proxy study addressing the amplitude of solar forcing. <i>Climate of the Past</i> , 2012, 8, 1355-1365.	1.3	22
103	Empirical Orthogonal Function Spectra of Extreme Temperature Variability Decoded From Tree Rings of the Western Himalayas. <i>Geophysical Monograph Series</i> , 2012, , 169-176.	0.1	1
104	A cosmic ray-climate link and cloud observations. <i>Journal of Space Weather and Space Climate</i> , 2012, 2, A18.	1.1	38
105	The effects of changing solar activity on climate: contributions from palaeoclimatological studies. <i>Journal of Space Weather and Space Climate</i> , 2012, 2, A09.	1.1	37
106	Sunspot random walk and 22-year variation. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	6
107	Nitrate in Polar Ice: A New Tracer of Solar Variability. <i>Solar Physics</i> , 2012, 280, 237-254.	1.0	47
108	Interactions Between the Lower, Middle and Upper Atmosphere. <i>Space Science Reviews</i> , 2012, 168, 1-21.	3.7	24
109	Stratosphere NO _y Species Measured by MIPAS and GOMOS Onboard ENVISAT During 2002–2010: Influence of Plasma Processes onto the Observed Distribution and Variability. <i>Space Science Reviews</i> , 2012, 168, 315-332.	3.7	10
110	Electromagnetic Atmosphere-Plasma Coupling: The Global Atmospheric Electric Circuit. <i>Space Science Reviews</i> , 2012, 168, 363-384.	3.7	55
111	Solar Influence on Global and Regional Climates. <i>Surveys in Geophysics</i> , 2012, 33, 503-534.	2.1	135
112	Influence of the Precipitating Energetic Particles on Atmospheric Chemistry and Climate. <i>Surveys in Geophysics</i> , 2012, 33, 483-501.	2.1	144

#	ARTICLE	IF	CITATIONS
113	Impacts of multi-scale solar activity on climate. Part I: Atmospheric circulation patterns and climate extremes. <i>Advances in Atmospheric Sciences</i> , 2012, 29, 867-886.	1.9	13
114	Impacts of multi-scale solar activity on climate. Part II: Dominant timescales in decadal-centennial climate variability. <i>Advances in Atmospheric Sciences</i> , 2012, 29, 887-908.	1.9	10
115	Interactions between the stratosphere, the sun and the QBO during the northern summer. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2012, 75-76, 141-146.	0.6	3
116	Dynamical amplification of the stratospheric solar response simulated with the Chemistry-Climate Model LMDz-Reprobus. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2012, 75-76, 147-160.	0.6	22
117	Variability of rainfall and temperature (1912–2008) parameters measured from Santa Maria (29°41'S), Tj ETQq0 0 0 rgBT /Overlo <i>Solar-Terrestrial Physics</i> , 2012, 77, 152-160.	0.6	19
118	A correlation of mean period of MJO indices and 11-yr solar variation. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2012, 80, 195-207.	0.6	8
119	Assessment of the relationship between the combined solar cycle/ENSO forcings and the tropopause temperature. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2012, 80, 21-27.	0.6	1
120	Influence of the 11 year solar cycle on annual streamflow maxima in Southern Canada. <i>Journal of Hydrology</i> , 2012, 442-443, 55-62.	2.3	39
121	On the 11 year solar cycle signature in global total ozone dynamics. <i>Meteorological Applications</i> , 2013, 20, 72-79.	0.9	31
122	Evolution and solar modulation of ⁷ Be during the solar cycle 23. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013, 296, 1193-1204.	0.7	23
123	Discussion on climate oscillations: CMIP5 general circulation models versus a semi-empirical harmonic model based on astronomical cycles. <i>Earth-Science Reviews</i> , 2013, 126, 321-357.	4.0	63
124	Prediction of solar activity for the next 500 years. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 1861-1867.	0.8	58
125	Detection of Solar Rotational Variability in the Large Yield Radiometer (LYRA) 190–222 nm Spectral Band. <i>Solar Physics</i> , 2013, 286, 289-301.	1.0	7
126	Past millennial solar forcing magnitude. <i>Climate Dynamics</i> , 2013, 41, 2527-2537.	1.7	19
127	Direct and indirect effects of solar variations on stratospheric ozone and temperature. <i>Science Bulletin</i> , 2013, 58, 3840-3846.	1.7	2
128	Solar forced transient evolution of Pacific upper water thermal structure during the Holocene in an earth system model of intermediate complexity. <i>Science Bulletin</i> , 2013, 58, 1832-1837.	1.7	1
129	A study on possible solar and geomagnetic effects on the precipitation over northwestern Argentina. <i>Advances in Space Research</i> , 2013, 51, 1883-1892.	1.2	6
130	Solar irradiance modulation of Equator-to-Pole (Arctic) temperature gradients: Empirical evidence for climate variation on multi-decadal timescales. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2013, 93, 45-56.	0.6	48

#	ARTICLE	IF	CITATIONS
131	Holocene flood frequency across the Central Alps – solar forcing and evidence for variations in North Atlantic atmospheric circulation. <i>Quaternary Science Reviews</i> , 2013, 80, 112-128.	1.4	191
132	Investigation of cosmic ray–cloud connections using MISR. <i>Geophysical Research Letters</i> , 2013, 40, 5240-5245.	1.5	9
133	Geomagnetic activity signatures in wintertime stratosphere wind, temperature, and wave response. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 2169-2183.	1.2	95
134	Impact of a potential 21st century –grand solar minimum–on surface temperatures and stratospheric ozone. <i>Geophysical Research Letters</i> , 2013, 40, 4420-4425.	1.5	38
135	On the insignificance of Herschel's sunspot correlation. <i>Geophysical Research Letters</i> , 2013, 40, 4171-4176.	1.5	12
136	Laboratory Experiments on the Microphysics of Electrified Cloud Droplets. <i>Springer Atmospheric Sciences</i> , 2013, , 89-107.	0.4	2
137	Influence of the Pacific Decadal Oscillation, El Niño-Southern Oscillation and solar forcing on climate and primary productivity changes in the northeast Pacific. <i>Quaternary International</i> , 2013, 310, 124-139.	0.7	27
138	IpcC Underestimates the Sun's Role in Climate Change. <i>Energy and Environment</i> , 2013, 24, 431-453.	2.7	6
139	The Surface Climate Response to 11-Yr Solar Forcing during Northern Winter: Observational Analyses and Comparisons with GCM Simulations. <i>Journal of Climate</i> , 2013, 26, 7489-7506.	1.2	36
140	On the Relation Between Solar Activity and Clear-Sky Terrestrial Irradiance. <i>Solar Physics</i> , 2013, 282, 615-627.	1.0	1
141	High-resolution analysis of upper Miocene lake deposits: Evidence for the influence of Gleissberg-band solar forcing. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 370, 167-183.	1.0	24
142	New evidence of solar variation in temperature proxies from Northern Fennoscandia. <i>Advances in Space Research</i> , 2013, 52, 1647-1654.	1.2	20
143	Analysis of ultraviolet radiation in Central China from observation and estimation. <i>Energy</i> , 2013, 59, 764-774.	4.5	25
144	The importance of time-varying forcing for QBO modulation of the atmospheric 11% year solar cycle signal. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 4435-4447.	1.2	30
145	Clouds blown by the solar wind. <i>Environmental Research Letters</i> , 2013, 8, 045032.	2.2	22
146	Orbital and solar forcing of shifts in Mid- to Late Holocene flood intensity from varved sediments of pre-alpine Lake Ammersee (southern Germany). <i>Quaternary Science Reviews</i> , 2013, 61, 96-110.	1.4	86
147	Lightning, convective rain and solar activity – Over the South/Southeast Asia. <i>Atmospheric Research</i> , 2013, 120-121, 99-111.	1.8	53
148	A possible solar pacemaker for Holocene fluctuations of a salt-marsh in southern Italy. <i>Quaternary International</i> , 2013, 288, 239-248.	0.7	17

#	ARTICLE	IF	CITATIONS
149	Models of Solar Total and Spectral Irradiance Variability of Relevance for Climate Studies. Springer Atmospheric Sciences, 2013, , 19-38.	0.4	7
150	Reconstructing 7000 years of North Atlantic hurricane variability using deep-sea sediment cores from the western Great Bahama Bank. Paleoceanography, 2013, 28, 31-41.	3.0	47
151	Detecting Signals from Data with Noise: Theory and Applications. Journals of the Atmospheric Sciences, 2013, 70, 1489-1504.	0.6	16
152	Models versus radiosondes in the free atmosphere: A new detection and attribution analysis of temperature. Journal of Geophysical Research D: Atmospheres, 2013, 118, 2609-2619.	1.2	27
153	What happened to surface temperature with sunspot activity in the past 1300 years?. Theoretical and Applied Climatology, 2013, 111, 609-622.	1.3	6
154	Solar Irradiance Variability and Climate. Annual Review of Astronomy and Astrophysics, 2013, 51, 311-351.	8.1	231
155	Quantifying the importance of galactic cosmic rays in cloud microphysical processes. Journal of Atmospheric and Solar-Terrestrial Physics, 2013, 102, 243-251.	0.6	13
156	Eclipses Observed by Large Yield Radiometer (LYRA) – A Sensitive Tool to Test Models for the Solar Irradiance. Solar Physics, 2013, 286, 271-287.	1.0	10
157	The role of the oceans in shaping the tropospheric response to the 11 year solar cycle. Geophysical Research Letters, 2013, 40, 6373-6377.	1.5	12
158	Manifestation of reanalyzed QBO and SSC signals. Theoretical and Applied Climatology, 2013, 112, 637-646.	1.3	6
159	High predictive skill of global surface temperature a year ahead. Geophysical Research Letters, 2013, 40, 761-767.	1.5	27
160	Evidence for cosmic ray modulation in temperature records from the South Atlantic Magnetic Anomaly region. Annales Geophysicae, 2013, 31, 1833-1841.	0.6	12
161	Observed Tropospheric Temperature Response to 11-yr Solar Cycle and What It Reveals about Mechanisms. Journals of the Atmospheric Sciences, 2013, 70, 9-14.	0.6	16
162	Orbital, ice-sheet, and possible solar forcing of Holocene lake-level fluctuations in west-central Europe: A reply to Magny. Holocene, 2013, 23, 1213-1215.	0.9	2
163	A 1200-year multiproxy record of tree growth and summer temperature at the northern pine forest limit of Europe. Holocene, 2013, 23, 471-484.	0.9	100
164	Response of the middle atmosphere to anthropogenic and natural forcings in the CMIP5 simulations with the Max Planck Institute Earth system model. Journal of Advances in Modeling Earth Systems, 2013, 5, 98-116.	1.3	66
165	Summed radiocarbon probability density functions cannot prove solar forcing of Central European lake-level changes. Holocene, 2013, 23, 755-765.	0.9	27
166	Midlatitude atmospheric OH response to the most recent 11-y solar cycle. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2023-2028.	3.3	17

#	ARTICLE	IF	CITATIONS
167	Stable isotopes in <i>Sphagnum fuscum</i> peat as late-Holocene climate proxies in northeastern European Russia. <i>Holocene</i> , 2013, 23, 1381-1390.	0.9	9
168	Multidecadal to multicentury scale collapses of Northern Hemisphere monsoons over the past millennium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 9651-9656.	3.3	39
169	Using data to attribute episodes of warming and cooling in instrumental records. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 2058-2063.	3.3	140
170	Amplified Inception of European Little Ice Age by Sea Ice–Ocean–Atmosphere Feedbacks. <i>Journal of Climate</i> , 2013, 26, 7586-7602.	1.2	81
171	Recent variability of the solar spectral irradiance and its impact on climate modelling. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 3945-3977.	1.9	267
172	Stratospheric O ₃ changes during 2001–2010: the small role of solar flux variations in a chemical transport model. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 10113-10123.	1.9	25
173	Forcing of stratospheric chemistry and dynamics during the Dalton Minimum. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 10951-10967.	1.9	20
174	Influence of the sunspot cycle on the Northern Hemisphere wintertime circulation from long upper-air data sets. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 6275-6288.	1.9	36
175	Solar activity and its evolution across the corona: recent advances. <i>Journal of Space Weather and Space Climate</i> , 2013, 3, A18.	1.1	10
176	A lagged response to the 11 year solar cycle in observed winter Atlantic/European weather patterns. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 13,405.	1.2	154
177	Relationship between solar radiation and dimethylsulfide concentrations using in situ data for the pristine region of the southern hemisphere. <i>Geofisica International</i> , 2013, 52, 343-354.	0.2	1
178	Climate Change and Carbon Dioxide: Geological Perspective. <i>Energy and Environment</i> , 2013, 24, 361-380.	2.7	2
179	A mechanism for lagged North Atlantic climate response to solar variability. <i>Geophysical Research Letters</i> , 2013, 40, 434-439.	1.5	137
180	A 2000 year long seasonal record of floods in the southern European Alps. <i>Geophysical Research Letters</i> , 2013, 40, 4025-4029.	1.5	65
181	Variations in cutoff latitude during the January 2012 solar proton event and implication for the distribution of particle energy deposition. <i>Geophysical Research Letters</i> , 2013, 40, 4149-4153.	1.5	15
182	Solar wind dynamic pressure effect on planetary wave propagation and synoptic-scale Rossby wave breaking. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 4476-4493.	1.2	10
183	Changes in mesospheric dynamics at 78°N, 16°E and 70°N, 19°E: 2001–2012. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 2689-2701.	1.2	1
184	Long-range memory in Earth's surface temperature on time scales from months to centuries. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 7046-7062.	1.2	34

#	ARTICLE	IF	CITATIONS
185	QBO-dependent relation between electron precipitation and wintertime surface temperature. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 6302-6310.	1.2	32
186	On the origin of multidecadal to centennial Greenland temperature anomalies over the past 800 yr. <i>Climate of the Past</i> , 2013, 9, 583-596.	1.3	37
187	Causes of Greenland temperature variability over the past 4000 yr: implications for northern hemispheric temperature changes. <i>Climate of the Past</i> , 2013, 9, 2299-2317.	1.3	28
188	A volcanically triggered regime shift in the subpolar North Atlantic Ocean as a possible origin of the Little Ice Age. <i>Climate of the Past</i> , 2013, 9, 1321-1330.	1.3	45
189	A reconstruction of radiocarbon production and total solar irradiance from the Holocene $\delta^{14}\text{C}$ and CO_2 records: implications of data and model uncertainties. <i>Climate of the Past</i> , 2013, 9, 1879-1909.	1.3	104
190	Large-scale temperature response to external forcing in simulations and reconstructions of the last millennium. <i>Climate of the Past</i> , 2013, 9, 393-421.	1.3	131
191	Influence of orbital forcing and solar activity on water isotopes in precipitation during the mid- and late Holocene. <i>Climate of the Past</i> , 2013, 9, 13-26.	1.3	14
192	Surface changes in the eastern Labrador Sea around the onset of the Little Ice Age. <i>Paleoceanography</i> , 2014, 29, 160-175.	3.0	42
193	Nitrate deposition to surface snow at Summit, Greenland, following the 9 November 2000 solar proton event. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 6938-6957.	1.2	16
194	The influence of natural and anthropogenic factors on major stratospheric sudden warmings. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 8117-8136.	1.2	19
195	Spatial distribution of Northern Hemisphere winter temperatures during different phases of the solar cycle. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 9752-9764.	1.2	46
196	Energetic particle forcing of the Northern Hemisphere winter stratosphere: comparison to solar irradiance forcing. <i>Frontiers in Physics</i> , 2014, 2, .	1.0	27
197	Comparison of solar photospheric bright points between Sunrise observations and MHD simulations. <i>Astronomy and Astrophysics</i> , 2014, 568, A13.	2.1	55
198	Modelling total solar irradiance since 1878 from simulated magnetograms. <i>Astronomy and Astrophysics</i> , 2014, 570, A23.	2.1	28
199	Persistent decadal-scale rainfall variability in the tropical South Pacific Convergence Zone through the past six centuries. <i>Climate of the Past</i> , 2014, 10, 1319-1332.	1.3	27
200	Evaluation of the ECHAM family radiation codes performance in the representation of the solar signal. <i>Geoscientific Model Development</i> , 2014, 7, 2859-2866.	1.3	20
201	Possible effect of strong solar energetic particle events on polar stratospheric aerosol: a summary of observational results. <i>Environmental Research Letters</i> , 2014, 9, 015002.	2.2	26
202	Estimate of the effect of the 11-year solar activity cycle on the ozone content in the stratosphere. <i>Geomagnetism and Aeronomy</i> , 2014, 54, 633-639.	0.2	14

#	ARTICLE	IF	CITATIONS
203	Effects of climate variability and climate change on the fishing conditions for grey mullet (<i>Mugil</i>) Tj ETQq0 0 0 rgBT/Overlock_10 Tf 50 7	1.7	37
204	An Anatomy of the Cooling of the North Atlantic Ocean in the 1960s and 1970s. <i>Journal of Climate</i> , 2014, 27, 8229-8243.	1.2	43
205	Rotation of the Earth, solar activity and cosmic ray intensity. <i>Annales Geophysicae</i> , 2014, 32, 761-771.	0.6	3
206	Some Perspectives on Societal Impacts of Past Climatic Changes. <i>History Compass</i> , 2014, 12, 160-177.	0.1	15
207	Influence of solar activity on the climate change. <i>Atmospheric and Oceanic Optics</i> , 2014, 27, 506-510.	0.6	3
208	Stationarity of extreme bursts in the solar wind. <i>Physical Review E</i> , 2014, 89, 052812.	0.8	6
209	Solar control on the cloud liquid water content and integrated water vapor associated with monsoon rainfall over India. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2014, 121, 157-167.	0.6	10
210	What is the solar influence on climate? Overview of activities during CAWSES-II. <i>Progress in Earth and Planetary Science</i> , 2014, 1, .	1.1	59
212	Some Regression Problems in Solar-Terrestrial Sciences: Learning from Mistakes. <i>EAS Publications Series</i> , 2014, 66, 77-87.	0.3	1
213	The relative impacts of El Niño Modoki, canonical El Niño, and QBO on tropical ozone changes since the 1980s. <i>Environmental Research Letters</i> , 2014, 9, 064020.	2.2	59
214	Effect of solar variations on particle formation and cloud condensation nuclei. <i>Environmental Research Letters</i> , 2014, 9, 045004.	2.2	25
215	Global temperatures and sunspot numbers. Are they related?. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 396, 42-50.	1.2	15
216	Sunspot cycles recorded in Mesoproterozoic carbonate biolaminites. <i>Precambrian Research</i> , 2014, 248, 1-16.	1.2	27
217	Forecasting conditional climate-change using a hybrid approach. <i>Environmental Modelling and Software</i> , 2014, 52, 83-97.	1.9	6
218	Are southern South American Rivers linked to the solar variability?. <i>International Journal of Climatology</i> , 2014, 34, 1706-1714.	1.5	7
219	Cosmic factors influence on the inter-annual variations of the green 557.7 Nm line and red 630.0 Nm line nightglow intensities and their possible coupling with cloud covering at Abastumani (41.75°N), Tj ETQq1 1 0.784314 rgBT/Overlock_10 Tf 50 7	1.7	37
220	The role of the Sun in atmosphere-ocean coupling. <i>International Journal of Climatology</i> , 2014, 34, 655-677.	1.5	34
221	Analysis of photosynthetically active radiation under various sky conditions in Wuhan, Central China. <i>International Journal of Biometeorology</i> , 2014, 58, 1711-1720.	1.3	27

#	ARTICLE	IF	CITATIONS
222	High-latitude influence of the quasi-biennial oscillation. Quarterly Journal of the Royal Meteorological Society, 2014, 140, 1-21.	1.0	160
223	Saharan aeolian input and effective humidity variations over western Europe during the Holocene from a high altitude record. Chemical Geology, 2014, 374-375, 1-12.	1.4	71
224	Decadal/multi-decadal temperature discrepancies along the eastern margin of the Tibetan Plateau. Quaternary Science Reviews, 2014, 89, 85-93.	1.4	27
225	Interactions between externally forced climate signals from sunspot peaks and the internally generated Pacific Decadal and North Atlantic Oscillations. Geophysical Research Letters, 2014, 41, 161-166.	1.5	20
226	A Reconstruction of Ultraviolet Spectral Irradiance During the Maunder Minimum. Solar Physics, 2014, 289, 2891-2906.	1.0	12
227	Solar forcing of North Atlantic surface temperature and salinity over the past millennium. Nature Geoscience, 2014, 7, 275-278.	5.4	130
228	Tracking Holocene glacial and high-altitude alpine environments fluctuations from minerogenic and organic markers in proglacial lake sediments (Lake Blanc Huez, Western French Alps). Quaternary Science Reviews, 2014, 89, 27-43.	1.4	37
229	Effects on winter circulation of short and long term solar wind changes. Advances in Space Research, 2014, 54, 2478-2490.	1.2	23
230	Small influence of solar variability on climate over the past millennium. Nature Geoscience, 2014, 7, 104-108.	5.4	162
231	Evidence for external forcing of the Atlantic Multidecadal Oscillation since termination of the Little Ice Age. Nature Communications, 2014, 5, 3323.	5.8	111
232	Anchovy population and ocean-climatic fluctuations in the Humboldt Current System during the last 700years and their implications. Palaeogeography, Palaeoclimatology, Palaeoecology, 2014, 415, 210-224.	1.0	19
233	Persistent link between solar activity and Greenland climate during the Last Glacial Maximum. Nature Geoscience, 2014, 7, 662-666.	5.4	80
234	A 449 year warm season temperature reconstruction in the southeastern Tibetan Plateau and its relation to solar activity. Journal of Geophysical Research D: Atmospheres, 2014, 119, 11,578-11,592.	1.2	55
235	Diurnal tide in the low-latitude troposphere and stratosphere: Long-term trends and role of the extended solar minimum. Journal of Atmospheric and Solar-Terrestrial Physics, 2014, 121, 168-176.	0.6	7
236	Solar wind-driven geopotential height anomalies originate in the Antarctic lower troposphere. Geophysical Research Letters, 2014, 41, 6509-6514.	1.5	31
237	Solar cycle effects on Indian summer monsoon dynamics. Journal of Atmospheric and Solar-Terrestrial Physics, 2014, 121, 145-156.	0.6	11
238	The Little Ice Age signature and subsequent warming seen in borehole temperature logs versus solar forcing model. International Journal of Earth Sciences, 2014, 103, 1163-1173.	0.9	0
239	An Independent Review of Existing Total Solar Irradiance Records. Surveys in Geophysics, 2014, 35, 897-912.	2.1	33

#	ARTICLE	IF	CITATIONS
240	Quasi-biennial oscillation and solar cycle influences on winter Arctic total ozone. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 5823-5835.	1.2	15
241	Study of the influence of solar variability on a regional (Indian) climate: 1901–2007. <i>Advances in Space Research</i> , 2014, 54, 1698-1703.	1.2	8
242	Solar cycle modulation of the Pacific–North American teleconnection influence on North American winter climate. <i>Environmental Research Letters</i> , 2014, 9, 024004.	2.2	10
243	Late Holocene ecohydrological and carbon dynamics of a UK raised bog: impact of human activity and climate change. <i>Quaternary Science Reviews</i> , 2014, 84, 65-85.	1.4	49
244	Possible effects of atmospheric teleconnections and solar variability on tropospheric and stratospheric temperatures in the Northern Hemisphere. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2014, 109, 7-14.	0.6	10
245	Paired oxygen isotope records reveal modern North American atmospheric dynamics during the Holocene. <i>Nature Communications</i> , 2014, 5, 3701.	5.8	40
246	Mid- to Late-Holocene Australian–Indonesian summer monsoon variability. <i>Quaternary Science Reviews</i> , 2014, 93, 142-154.	1.4	39
247	Information from Paleoclimate Archives. , 2014, , 383-464.		95
248	Interaction of gravity waves with the QBO: A satellite perspective. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 2329-2355.	1.2	109
249	The Mid-Holocene, the Late Neolithic, and the Urban-State Revolution. , 0, , 165-212.		0
250	Domestication, Agriculture, and the Rise of the State. , 0, , 109-120.		0
251	An assessment of the solar irradiance record for climate studies. <i>Journal of Space Weather and Space Climate</i> , 2014, 4, A14.	1.1	72
252	Variability of Sun-like stars: reproducing observed photometric trends. <i>Astronomy and Astrophysics</i> , 2014, 569, A38.	2.1	82
253	Reconstruction of total and spectral solar irradiance from 1974 to 2013 based on KPVT, SoHO/MDI, and SDO/HMI observations. <i>Astronomy and Astrophysics</i> , 2014, 570, A85.	2.1	139
254	Effects of Sunspot on the Multi-Decadal Climate Projections. <i>Advances in Climate Change Research</i> , 2014, 5, 51-56.	2.1	1
255	On the detection of the solar signal in the tropical stratosphere. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 5251-5269.	1.9	57
256	Stratospheric ozone trends and variability as seen by SCIAMACHY from 2002 to 2012. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 831-846.	1.9	66
257	Examining the stratospheric response to the solar cycle in a coupled WACCM simulation with an internally generated QBO. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 4843-4856.	1.9	14

#	ARTICLE	IF	CITATIONS
258	The science case for the EISCAT_3D radar. <i>Progress in Earth and Planetary Science</i> , 2015, 2, .	1.1	60
259	Simulated solar cycle effects on the middle atmosphere: WACCM3 Versus WACCM4. <i>Journal of Advances in Modeling Earth Systems</i> , 2015, 7, 806-822.	1.3	14
260	Cutoff latitude variation during solar proton events: Causes and consequences. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 553-563.	0.8	25
261	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
262	Signatures of naturally induced variability in the atmosphere using multiple reanalysis datasets. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2015, 141, 2011-2031.	1.0	63
263	Solar signals in CMIP5 simulations: the stratospheric pathway. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2015, 141, 2390-2403.	1.0	66
264	Stratospheric response to intraseasonal changes in incoming solar radiation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 7648-7660.	1.2	12
265	Atmospheric initial conditions and the predictability of the Arctic Oscillation. <i>Geophysical Research Letters</i> , 2015, 42, 1173-1179.	1.5	105
266	Solar influence on Earth's climate. <i>Proceedings of the International Astronomical Union</i> , 2015, 11, 372-376.	0.0	0
267	Solar influences on spatial patterns of Eurasian winter temperature and atmospheric general circulation anomalies. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 8642-8657.	1.2	24
268	Solar cycle influence on troposphere and middle atmosphere via ozone layer in the presence of planetary waves: Simulation with ARM. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 8298-8306.	0.8	9
270	UV solar irradiance in observations and the NRLSSI and SATIRE models. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 6055-6070.	0.8	38
271	A shift towards wetter and windier conditions in southern Sweden around the prominent solar minimum 2750 cal a BP. <i>Journal of Quaternary Science</i> , 2015, 30, 235-244.	1.1	14
272	The Combined Influences of Westerly Phase of the Quasi-Biennial Oscillation and 11-year Solar Maximum Conditions on the Northern Hemisphere Extratropical Winter Circulation. <i>Journal of the Meteorological Society of Japan</i> , 2015, 93, 629-644.	0.7	9
273	Quantifying contributions to the recent temperature variability in the tropical tropopause layer. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 5815-5826.	1.9	17
274	Northern Hemisphere stratospheric winds in higher midlatitudes: longitudinal distribution and long-term trends. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 2203-2213.	1.9	16
275	Energetic particle induced intra-seasonal variability of ozone inside the Antarctic polar vortex observed in satellite data. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 3327-3338.	1.9	33
276	The 11-year solar cycle in current reanalyses: a (non)linear attribution study of the middle atmosphere. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 6879-6895.	1.9	20

#	ARTICLE	IF	CITATIONS
277	Is there a solar signal in lower stratospheric water vapour?. Atmospheric Chemistry and Physics, 2015, 15, 9851-9863.	1.9	17
278	Solar signals in CMIP5 simulations: the ozone response. Quarterly Journal of the Royal Meteorological Society, 2015, 141, 2670-2689.	1.0	43
279	Advancements in decadal climate predictability: The role of nonoceanic drivers. Reviews of Geophysics, 2015, 53, 165-202.	9.0	81
280	Long-term variations of ultraviolet radiation in Tibetan Plateau from observation and estimation. International Journal of Climatology, 2015, 35, 1245-1253.	1.5	7
281	Reconciling reconstructed and simulated features of the winter Pacific/North American pattern in the early 19th century. Climate of the Past, 2015, 11, 939-958.	1.3	19
282	Influence of solar forcing, climate variability and modes of low-frequency atmospheric variability on summer floods in Switzerland. Hydrology and Earth System Sciences, 2015, 19, 3807-3827.	1.9	17
283	MIDDLE ATMOSPHERE Quasi-Biennial Oscillation. , 2015, , 18-25.		4
284	Two distinct decadal and centennial cyclicities forced marine upwelling intensity and precipitation during the late Early Miocene in central Europe. Climate of the Past, 2015, 11, 283-303.	1.3	14
285	Possível influência de forçantes externos sobre a variação de temperatura máxima e mínima na latitude de ~30°S no estado do Rio Grande do Sul. , 2015, , .		0
286	Modern solar maximum forced late twentieth century Greenland cooling. Geophysical Research Letters, 2015, 42, 5992-5999.	1.5	16
287	Commentary: Energetic particle forcing of the Northern Hemisphere winter stratosphere: comparison to solar irradiance forcing. Frontiers in Physics, 2015, 3, .	1.0	1
288	Possible causes of the violation of correlation links between cloudiness state and galactic cosmic ray fluxes. Bulletin of the Russian Academy of Sciences: Physics, 2015, 79, 693-695.	0.1	2
289	Global analysis of radiative forcing from fire-induced shortwave albedo change. Biogeosciences, 2015, 12, 557-565.	1.3	15
290	The role of the Fraunhofer lines in solar brightness variability. Astronomy and Astrophysics, 2015, 581, A116.	2.1	29
291	Statistical framework for evaluation of climate model simulations by use of climate proxy data from the last millennium – Part 3: Practical considerations, relaxed assumptions, and using tree-ring data to address the amplitude of solar forcing. Climate of the Past, 2015, 11, 425-448.	1.3	14
292	SOLAR SYSTEM/SUN, ATMOSPHERES, EVOLUTION OF ATMOSPHERES Solar Terrestrial Interactions. , 2015, , 183-188.		2
293	Time evolution of ionization effect due to cosmic rays in terrestrial atmosphere during GLE 70. Journal of Atmospheric and Solar-Terrestrial Physics, 2015, 129, 78-86.	0.6	12
294	Multi-centennial scale SST and Indian summer monsoon precipitation variability since the mid-Holocene and its nonlinear response to solar activity. Holocene, 2015, 25, 1415-1424.	0.9	35

#	ARTICLE	IF	CITATIONS
295	Main physical processes and mechanisms responsible for the observable climate changes in the 20-21st centuries. , 2015, , .		0
296	Evidence of a decadal solar signal in the Amazon River: 1903 to 2013. Geophysical Research Letters, 2015, 42, 10,782.	1.5	11
297	A high-resolved record of the Asian Summer Monsoon from Dongge Cave, China for the past 1200 years. Quaternary Science Reviews, 2015, 122, 250-257.	1.4	67
298	North Atlantic Holocene climate evolution recorded by high-resolution terrestrial and marine biomarker records. Quaternary Science Reviews, 2015, 129, 111-127.	1.4	49
299	A simulated lagged response of the North Atlantic Oscillation to the solar cycle over the period 1960â€“2009. Environmental Research Letters, 2015, 10, 054022.	2.2	71
300	A case study of multi-annual temperature oscillations in the atmosphere: Middle Europe. Journal of Atmospheric and Solar-Terrestrial Physics, 2015, 135, 1-11.	0.6	14
301	Evidence for the Gleissberg solar cycle at the high-latitudes of the Northern Hemisphere. Advances in Space Research, 2015, 55, 1285-1290.	1.2	15
302	Do sunspot numbers cause global temperatures? Evidence from a frequency domain causality test. Applied Economics, 2015, 47, 798-808.	1.2	17
303	Comparison of different UV models for cloud effect study. Energy, 2015, 80, 695-705.	4.5	10
304	The albedo of Earth. Reviews of Geophysics, 2015, 53, 141-163.	9.0	196
305	<scp>UV</scp> variability in an arid region of Northwest China from measurements and reconstructions. International Journal of Climatology, 2015, 35, 1938-1947.	1.5	4
306	Influence of oceanâ€“atmospheric oscillations on lake ice phenology in eastern North America. Climate Dynamics, 2015, 45, 2293-2308.	1.7	23
307	Observation and estimation of photosynthetic photon flux density in Southern China. Theoretical and Applied Climatology, 2015, 120, 701-712.	1.3	13
308	Drivers of North Atlantic Polar Front jet stream variability. International Journal of Climatology, 2015, 35, 1697-1720.	1.5	94
309	Multispectral analysis of Northern Hemisphere temperature records over the last five millennia. Climate Dynamics, 2015, 45, 83-104.	1.7	22
310	Estimation of hourly and daily ultraviolet solar irradiation under various sky conditions at Sanya, Southern China. Theoretical and Applied Climatology, 2015, 121, 187-198.	1.3	2
311	Modeling and analysis of the spatiotemporal variations of photosynthetically active radiation in China during 1961â€“2012. Renewable and Sustainable Energy Reviews, 2015, 49, 1019-1032.	8.2	26
312	Long-term response of stratospheric ozone and temperature to solar variability. Annales Geophysicae, 2015, 33, 267-277.	0.6	11

#	ARTICLE	IF	CITATIONS
313	Influence of solar cycle and chemistry on tropical (10°N–15°N) mesopause variabilities. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 4038-4051.	0.8	5
314	Towards analysis and predicting maps of ultraviolet index from experimental astronomical parameters (solar elevation, total ozone level, aerosol index, reflectivity). <i>Artificial neural networks global scale approach. Aerospace Science and Technology</i> , 2015, 43, 301-313.	2.5	2
315	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.	1.2	41
316	A Millennial Summer Temperature Reconstruction for the Eastern Tibetan Plateau from Tree-Ring Width*. <i>Journal of Climate</i> , 2015, 28, 5289-5304.	1.2	64
318	The Machinery: Mechanisms Behind Climatic Changes. <i>Advances in Global Change Research</i> , 2015, , 71-166.	1.6	1
319	The Earth's climate at minima of Centennial Gleissberg Cycles. <i>Advances in Space Research</i> , 2015, 56, 1590-1599.	1.2	14
320	Sensitivity of tropical stratospheric ozone to rotational UV variations estimated from UARS and Aura MLS observations during the declining phases of solar cycles 22 and 23. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2015, 130-131, 96-111.	0.6	8
321	Bi-decadal solar influence on climate, mediated by near tropopause ozone. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2015, 136, 216-230.	0.6	10
322	A comparison of stratospheric photochemical response to different reconstructions of solar ultraviolet radiative variability. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2015, 132, 22-32.	0.6	6
323	Regional climate impacts of a possible future grand solar minimum. <i>Nature Communications</i> , 2015, 6, 7535.	5.8	75
324	Re-evaluating the role of solar variability on Northern Hemisphere temperature trends since the 19th century. <i>Earth-Science Reviews</i> , 2015, 150, 409-452.	4.0	57
325	Solar forcing synchronizes decadal North Atlantic climate variability. <i>Nature Communications</i> , 2015, 6, 8268.	5.8	112
326	Late-Holocene climate variability and ecosystem responses in Alaska inferred from high-resolution multiproxy sediment analyses at Grizzly Lake. <i>Quaternary Science Reviews</i> , 2015, 126, 41-56.	1.4	9
327	Energetic Particle Influence on the Earth's Atmosphere. <i>Space Science Reviews</i> , 2015, 194, 1-96.	3.7	183
328	Calendar-dated glacier variations in the western European Alps during the Neoglacial: the Mer de Glace record, Mont Blanc massif. <i>Quaternary Science Reviews</i> , 2015, 108, 1-22.	1.4	80
329	Reconstruction and prediction of the total solar irradiance: From the Medieval Warm Period to the 21st century. <i>New Astronomy</i> , 2015, 34, 221-233.	0.8	51
330	Indian summer monsoon rainfall: Dancing with the tunes of the sun. <i>New Astronomy</i> , 2015, 35, 8-19.	0.8	15
331	Redefining the limit dates for the Maunder Minimum. <i>New Astronomy</i> , 2015, 34, 120-122.	0.8	34

#	ARTICLE	IF	CITATIONS
332	Analysis of photosynthetically active radiation in Northwest China from observation and estimation. International Journal of Biometeorology, 2015, 59, 193-204.	1.3	15
333	The effect of global dynamical factors on the interannual variability of land-based rainfall. , 0, , 280-293.		0
334	Solar modulation of flood frequency in central Europe during spring and summer on interannual to multi-centennial timescales. Climate of the Past, 2016, 12, 799-805.	1.3	28
335	A 250-year periodicity in Southern Hemisphere westerly winds over the last 2600 years. Climate of the Past, 2016, 12, 189-200.	1.3	37
336	The 1430s: a cold period of extraordinary internal climate variability during the early Spörer Minimum with social and economic impacts in north-western and central Europe. Climate of the Past, 2016, 12, 2107-2126.	1.3	66
337	Wavelet analysis of the singular spectral reconstructed time series to study the imprints of solar-ENSO geomagnetic activity on Indian climate. Nonlinear Processes in Geophysics, 2016, 23, 361-374.	0.6	12
338	The Detection and Attribution Model Intercomparison Project (DAMIP v1.0) contribution to CMIP6. Geoscientific Model Development, 2016, 9, 3685-3697.	1.3	280
339	Can Open Science save us from a solar-driven monsoon?. Journal of Space Weather and Space Climate, 2016, 6, A11.	1.1	1
340	The North Atlantic and Arctic Oscillations: climate variability, extremes, and stratosphere-troposphere interaction. , 2016, , 122-130.		3
341	Solar Changes and the Climate. , 2016, , 263-282.		2
342	The Sun's Role in Climate. , 2016, , 283-305.		3
343	Solar signals in CMIP5 simulations: effects of atmosphere-ocean coupling. Quarterly Journal of the Royal Meteorological Society, 2016, 142, 928-941.	1.0	52
344	Investigation of intergranular bright points from the New Vacuum Solar Telescope. Research in Astronomy and Astrophysics, 2016, 16, 009.	0.7	14
345	Diurnal, Seasonal, and 11-yr Solar Cycle Variation Effects on the Virtual Ionosphere Reflection Height and Implications for the Met Office's Lightning Detection System, ATDnet. Journal of Atmospheric and Oceanic Technology, 2016, 33, 1429-1441.	0.5	6
346	Effect of ions on sulfuric acid-water binary particle formation: 2. Experimental data and comparison with QC-normalized classical nucleation theory. Journal of Geophysical Research D: Atmospheres, 2016, 121, 1752-1775.	1.2	99
347	ULF geomagnetic and polar cap potential signatures in the temperature and zonal wind reanalysis data in Antarctica. Journal of Geophysical Research: Space Physics, 2016, 121, 286-295.	0.8	13
348	Near-Earth heliospheric magnetic field intensity since 1750: 1. Sunspot and geomagnetic reconstructions. Journal of Geophysical Research: Space Physics, 2016, 121, 6048-6063.	0.8	33
349	Evaluation of simulated photolysis rates and their response to solar irradiance variability. Journal of Geophysical Research D: Atmospheres, 2016, 121, 6066-6084.	1.2	27

#	ARTICLE	IF	CITATIONS
350	Scientific objectives and capabilities of the Coronal Solar Magnetism Observatory. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 7470-7487.	0.8	40
351	Magnitudes and timescales of total solar irradiance variability. <i>Journal of Space Weather and Space Climate</i> , 2016, 6, A30.	1.1	84
352	Observation and integrated Earth-system science: A roadmap for 2016–2025. <i>Advances in Space Research</i> , 2016, 57, 2037-2103.	1.2	35
353	Correlations of global sea surface temperatures with the solar wind speed. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2016, 149, 232-239.	0.6	18
354	Cloud cover anomalies at middle latitudes: Links to troposphere dynamics and solar variability. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2016, 149, 207-218.	0.6	14
355	Reduction of Climate Sensitivity to Solar Forcing due to Stratospheric Ozone Feedback. <i>Journal of Climate</i> , 2016, 29, 4651-4663.	1.2	22
356	Palaeoclimatic insights into forcing and response of monsoon rainfall. <i>Nature</i> , 2016, 533, 191-199.	13.7	189
357	Synchronized Helicity Oscillations: A Link Between Planetary Tides and the Solar Cycle?. <i>Solar Physics</i> , 2016, 291, 2197-2212.	1.0	44
358	On the ambiguous nature of the 11-year solar cycle signal in upper stratospheric ozone. <i>Geophysical Research Letters</i> , 2016, 43, 7241-7249.	1.5	43
359	A decadal precession of atmospheric pressures over the North Pacific. <i>Geophysical Research Letters</i> , 2016, 43, 3921-3927.	1.5	23
360	Near-Earth heliospheric magnetic field intensity since 1750: 2. Cosmogenic radionuclide reconstructions. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 6064-6074.	0.8	19
361	Influence of the solar cycle on the Polar Night Jet Oscillation in the Southern Hemisphere. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 11,575.	1.2	2
362	The Influence of the Geomagnetic Field in Climate Changes. <i>Springer Earth System Sciences</i> , 2016, , 49-80.	0.1	3
363	Evaluation of the inter-annual variability of stratospheric chemical composition in chemistry-climate models using ground-based multi species time series. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2016, 145, 61-84.	0.6	6
364	Attributing the forced components of observed stratospheric temperature variability to external drivers. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2016, 142, 1041-1047.	1.0	13
365	Eleven-year solar cycle signal in the NAO and Atlantic/European blocking. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2016, 142, 1890-1903.	1.0	81
366	The response of the temperature of cold-point mesopause to solar activity based on SABER data set. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 7245-7255.	0.8	12
367	A late Holocene record of solar-forced atmospheric blocking variability over Northern Europe inferred from varved lake sediments of Lake Kuninkaisenlampi. <i>Quaternary Science Reviews</i> , 2016, 154, 100-110.	1.4	21

#	ARTICLE	IF	CITATIONS
368	The 11 year solar cycle signature on wave-driven dynamics in WACCM. Journal of Geophysical Research: Space Physics, 2016, 121, 3484-3496.	0.8	13
369	Low-frequency oscillations of the gravity wave energy density in the lower atmosphere at low latitudes revealed by U.S. radiosonde data. Journal of Geophysical Research D: Atmospheres, 2016, 121, 13,458.	1.2	10
370	A varved lake sediment record of the 10Be solar activity proxy for the Lateglacial-Holocene transition. Quaternary Science Reviews, 2016, 153, 31-39.	1.4	13
371	Decadal variability of European sea level extremes in relation to the solar activity. Geophysical Research Letters, 2016, 43, 11,744.	1.5	12
372	Coldest Temperature Extreme Monotonically Increased and Hottest Extreme Oscillated over Northern Hemisphere Land during Last 114 Years. Scientific Reports, 2016, 6, 25721.	1.6	23
373	Prediction Methods in Solar Sunspots Cycles. Scientific Reports, 2016, 6, 21028.	1.6	6
374	Solar cycles or random processes? Evaluating solar variability in Holocene climate records. Scientific Reports, 2016, 6, 23961.	1.6	21
375	Quasi-decadal variations in total ozone content, wind velocity, temperature, and geopotential height over the Arosa station (Switzerland). Izvestiya - Atmospheric and Oceanic Physics, 2016, 52, 66-73.	0.2	5
376	The natural oscillations in stratospheric ozone observed by the GROMOS microwave radiometer at the NDACC station Bern. Atmospheric Chemistry and Physics, 2016, 16, 10455-10467.	1.9	8
377	Stratospheric polar vortex splits and displacements in the high-top CMIP5 climate models. Journal of Geophysical Research D: Atmospheres, 2016, 121, 1400-1413.	1.2	60
378	Thermospheric Nocturnal Wind Climatology Observed by Fabry-Perot Interferometers over the Asia-Oceania Region. Journal of the Meteorological Society of Japan, 2016, 94, 525-536.	0.7	1
379	The representation of solar cycle signals in stratospheric ozone – Part 1: A comparison of recently updated satellite observations. Atmospheric Chemistry and Physics, 2016, 16, 10021-10043.	1.9	30
380	How can we understand the global distribution of the solar cycle signal on the Earth's surface?. Atmospheric Chemistry and Physics, 2016, 16, 12925-12944.	1.9	36
381	The Variations in Middle and Upper Stratospheric Water Vapour over the Past Two Decades. Scientific Online Letters on the Atmosphere, 2016, 12, 127-134.	0.6	3
382	Application of a principle of synchronicity to an analysis of climatic processes. IOP Conference Series: Earth and Environmental Science, 2016, 48, 012002.	0.2	1
383	Variations in solar radiation in the solar activity cycle: Response of Earth's atmospheric parameters (numerical modeling and analysis of observational data). Geomagnetism and Aeronomy, 2016, 56, 920-929.	0.2	1
384	Cloud anomalies at midlatitudes of the Northern and Southern Hemispheres: Connection with atmospheric dynamics and variations in cosmic rays. Geomagnetism and Aeronomy, 2016, 56, 1110-1117.	0.2	0
385	Analysis of the sensitivity of the composition and temperature of the stratosphere to the variability of spectral solar radiation fluxes induced by the 11-year cycle of solar activity. Izvestiya - Atmospheric and Oceanic Physics, 2016, 52, 16-32.	0.2	8

#	ARTICLE	IF	CITATIONS
386	Solar rotational modulations of spectral irradiance and correlations with the variability of total solar irradiance. <i>Journal of Space Weather and Space Climate</i> , 2016, 6, A33.	1.1	6
387	The impact of a future solar minimum on climate change projections in the Northern Hemisphere. <i>Environmental Research Letters</i> , 2016, 11, 034015.	2.2	24
388	AN ASSESSMENT OF SUNSPOT NUMBER DATA COMPOSITES OVER 1845–2014. <i>Astrophysical Journal</i> , 2016, 824, 54.	1.6	34
389	The Impact of the Revised Sunspot Record on Solar Irradiance Reconstructions. <i>Solar Physics</i> , 2016, 291, 2951-2965.	1.0	66
390	Precipitation over two Southern Hemisphere locations: Long-term variation linked to natural and anthropogenic forcings. <i>Advances in Space Research</i> , 2016, 57, 1391-1401.	1.2	0
391	Does sunspot numbers cause global temperatures? A reconsideration using non-parametric causality tests. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 460, 54-65.	1.2	16
392	Re-examination of the Daily Number of Sunspot Groups for the Royal Observatory, Greenwich (1874–1885). <i>Solar Physics</i> , 2016, 291, 2519-2552.	1.0	21
393	Measurements and modeling of contemporary radiocarbon in the stratosphere. <i>Geophysical Research Letters</i> , 2016, 43, 1399-1406.	1.5	8
394	High solar cycle spectral variations inconsistent with stratospheric ozone observations. <i>Nature Geoscience</i> , 2016, 9, 206-209.	5.4	45
395	Attribution of variations in the quasi-biennial oscillation period from the duration of easterly and westerly phases. <i>Climate Dynamics</i> , 2016, 47, 1943-1959.	1.7	5
396	Solar wind-atmospheric electricity-cloud microphysics connections to weather and climate. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2016, 149, 277-290.	0.6	59
397	Possible impact of solar activity on the convection dipole over the tropical pacific ocean. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2016, 140, 94-107.	0.6	8
398	Influence of the Quasi-Biennial Oscillation and Sea Surface Temperature Variability on Downward Wave Coupling in the Northern Hemisphere. <i>Journals of the Atmospheric Sciences</i> , 2016, 73, 1943-1965.	0.6	35
399	European summer temperatures since Roman times. <i>Environmental Research Letters</i> , 2016, 11, 024001.	2.2	260
400	Modeling and comparison of hourly photosynthetically active radiation in different ecosystems. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 56, 436-453.	8.2	41
401	Global water cycle and solar activity variations. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2016, 142, 55-59.	0.6	25
402	Sunspots and ENSO relationship using Markov method. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2016, 137, 53-57.	0.6	14
403	Possible solar-climate imprint in temperature proxies from the middle and high latitudes of North America. <i>Advances in Space Research</i> , 2016, 57, 1112-1117.	1.2	2

#	ARTICLE	IF	CITATIONS
404	Effect of seasonal spectral variations on performance of three different photovoltaic technologies in India. <i>International Journal of Energy and Environmental Engineering</i> , 2016, 7, 93-103.	1.3	40
405	Solar forcing as an important trigger for West Greenland sea-ice variability over the last millennium. <i>Quaternary Science Reviews</i> , 2016, 131, 148-156.	1.4	32
406	Global patterns of solar influence on high cloud cover. <i>Climate Dynamics</i> , 2016, 47, 667-678.	1.7	8
407	On planetary torque signals and sub-decadal frequencies in the discharges of large rivers. <i>Advances in Space Research</i> , 2016, 57, 1411-1425.	1.2	28
408	Solar Magnetoconvection and Small-Scale Dynamo. <i>Space Science Reviews</i> , 2017, 210, 275-316.	3.7	37
409	Climate variability in SE Europe since 1450 AD based on a varved sediment record from Etoliko Lagoon (Western Greece). <i>Quaternary Science Reviews</i> , 2017, 159, 63-76.	1.4	33
410	Downward Wave Reflection as a Mechanism for the Stratosphere–Troposphere Response to the 11-Yr Solar Cycle. <i>Journal of Climate</i> , 2017, 30, 2395-2414.	1.2	27
411	Dark Ages Cold Period: A literature review and directions for future research. <i>Holocene</i> , 2017, 27, 1600-1606.	0.9	162
412	The dark side of solar photospheric G-band bright points. <i>Astronomy and Astrophysics</i> , 2017, 598, A123.	2.1	10
413	Holocene high-resolution quantitative summer temperature reconstruction based on subfossil chironomids from the southeast margin of the Qinghai-Tibetan Plateau. <i>Quaternary Science Reviews</i> , 2017, 165, 1-12.	1.4	79
414	Aerosol and Solar Irradiance Effects on Decadal Climate Variability and Predictability. <i>Current Climate Change Reports</i> , 2017, 3, 150-162.	2.8	22
415	Brightness of Solar Magnetic Elements As a Function of Magnetic Flux at High Spatial Resolution. <i>Astrophysical Journal, Supplement Series</i> , 2017, 229, 12.	3.0	28
416	Interdisciplinary studies of solar activity and climate change. <i>Atmospheric and Oceanic Science Letters</i> , 2017, 10, 325-328.	0.5	13
417	A new observational solar irradiance composite. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 5910-5930.	0.8	49
418	Where does Earth's atmosphere get its energy?. <i>Journal of Space Weather and Space Climate</i> , 2017, 7, A10.	1.1	29
419	A history of solar activity over millennia. <i>Living Reviews in Solar Physics</i> , 2017, 14, 1.	7.8	292
420	Holocene climatic change in the Alaskan Arctic as inferred from oxygen-isotope and lake-sediment analyses at Wahoo Lake. <i>Holocene</i> , 2017, 27, 1631-1644.	0.9	6
421	Modulations of solar activity on El Niño Modoki and possible mechanisms. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2017, 160, 34-47.	0.6	11

#	ARTICLE	IF	CITATIONS
422	Anomalous pattern of ocean heat content during different phases of the solar cycle in the tropical Pacific. <i>Atmospheric and Oceanic Science Letters</i> , 2017, 10, 9-16.	0.5	5
423	Variability and Change in Climate. , 2017, , 27-60.		0
424	Atmospheric methane variability: Centennial-scale signals in the Last Glacial Period. <i>Global Biogeochemical Cycles</i> , 2017, 31, 575-590.	1.9	15
425	A record of Holocene sea-ice variability off West Greenland and its potential forcing factors. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 475, 115-124.	1.0	22
426	Temperature responses to the 11-year solar cycle in the mesosphere from the 31-year (1979-2010) extended Canadian Middle Atmosphere Model simulations and a comparison with the 14-year (2002-2015) TIMED/SABER observations. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 4801-4818.	0.8	23
427	EMPIRE: A robust empirical reconstruction of solar irradiance variability. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 3888-3914.	0.8	39
428	Solar influences on climate over the Atlantic / European sector. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	9
429	Bromine soil/sediment enrichment in tidal salt marshes as a potential indicator of climate changes driven by solar activity: New insights from W coast Portuguese estuaries. <i>Science of the Total Environment</i> , 2017, 580, 324-338.	3.9	12
430	Modeling of the middle atmosphere response to 27-day solar irradiance variability. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2017, 152-153, 50-61.	0.6	9
431	Challenges and perspectives for large-scale temperature reconstructions of the past two millennia. <i>Reviews of Geophysics</i> , 2017, 55, 40-96.	9.0	103
432	Risks for Life on Habitable Planets from Superflares of Their Host Stars. <i>Astrophysical Journal</i> , 2017, 848, 41.	1.6	59
433	Decadal radon cycles in a hot spring. <i>Scientific Reports</i> , 2017, 7, 12120.	1.6	40
434	Exceptional 20th century glaciological regime of a major SE Greenland outlet glacier. <i>Scientific Reports</i> , 2017, 7, 13626.	1.6	11
435	A regime shift in the Sun-Climate connection with the end of the Medieval Climate Anomaly. <i>Scientific Reports</i> , 2017, 7, 11131.	1.6	6
436	Solar Irradiance Variability is Caused by the Magnetic Activity on the Solar Surface. <i>Physical Review Letters</i> , 2017, 119, 091102.	2.9	45
437	On the aliasing of the solar cycle in the lower stratospheric tropical temperature. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 9076-9093.	1.2	19
438	Records of sunspots and aurora candidates in the Chinese official histories of the <i>Yuǎn</i> and <i>Mǎng</i> dynasties during 1261-1644. <i>Publication of the Astronomical Society of Japan</i> , 2017, 69, .	1.0	25
439	The mantle rotation pole position. A solar component. <i>Comptes Rendus - Geoscience</i> , 2017, 349, 159-164.	0.4	23

#	ARTICLE	IF	CITATIONS
440	Global Distribution and Variations of NO Infrared Radiative Flux and Its Responses to Solar Activity and Geomagnetic Activity in the Thermosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 12,534.	0.8	8
442	Tree-ring recorded moisture variations over the past millennium in the Hexi Corridor, northwest China. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	25
443	Aerobiology: Experimental Considerations, Observations, and Future Tools. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	55
444	Nonzonal structure of the response of the global field of the Earth's atmospheric temperature to solar activity. <i>Geomagnetism and Aeronomy</i> , 2017, 57, 107-112.	0.2	1
445	Low cloud anomalies at middle latitudes and their relationship to variations of galactic cosmic rays for the different states of the polar vortex. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2017, 81, 245-248.	0.1	1
446	Stratospheric Response to the 11-Yr Solar Cycle: Breaking Planetary Waves, Internal Reflection, and Resonance. <i>Journal of Climate</i> , 2017, 30, 7169-7190.	1.2	16
447	Which way will the circulation shift in a changing climate? Possible nonlinearity of extratropical cloud feedbacks. <i>Climate Dynamics</i> , 2017, 48, 3759-3777.	1.7	4
448	Investigations of the middle atmospheric thermal structure and oscillations over sub-tropical regions in the Northern and Southern Hemispheres. <i>Climate Dynamics</i> , 2017, 48, 3671-3684.	1.7	4
449	Spatial patterns of ENSO's interannual influences on lilacs vary with time and periodicity. <i>Atmospheric Research</i> , 2017, 186, 95-106.	1.8	7
450	The role of solar activity in observed climate changes in the 20th century. <i>Geomagnetism and Aeronomy</i> , 2017, 57, 637-644.	0.2	7
451	Phase Relations between the Sunspot Numbers and Total Solar Irradiance. <i>Astrophysical Journal</i> , 2017, 851, 141.	1.6	13
452	Sudden stratospheric warmings: statistical characteristics and influence on NO ₂ and O ₃ total contents. <i>Izvestiya - Atmospheric and Oceanic Physics</i> , 2017, 53, 477-486.	0.2	20
453	Variations in the temperature and circulation of the atmosphere during the 11-year cycle of solar activity derived from the ERA-Interim reanalysis data. <i>Izvestiya - Atmospheric and Oceanic Physics</i> , 2017, 53, 441-448.	0.2	8
454	Delayed North Atlantic Response to Solar Forcing of the Stratospheric Polar Vortex. <i>Scientific Online Letters on the Atmosphere</i> , 2017, 13, 53-58.	0.6	8
455	Sensitivity of the tropical stratospheric ozone response to the solar rotational cycle in observations and chemistry-climate model simulations. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 9897-9916.	1.9	6
456	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.	1.1	54
457	Spatio-Temporal Variability of the Phase of Total Ozone Quasi-Decennial Oscillations. <i>Izvestiya - Atmospheric and Oceanic Physics</i> , 2017, 53, 904-910.	0.2	3
458	Human and Societal Dimensions of Past Climate Change. , 0, , 41-83.		6

#	ARTICLE	IF	CITATIONS
459	Analysis and modelling of a 9.3 kyr palaeoflood record: correlations, clustering, and cycles. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 5547-5581.	1.9	4
460	Spectral variability of photospheric radiation due to faculae. <i>Astronomy and Astrophysics</i> , 2017, 605, A45.	2.1	34
461	Seasonal modulation of the Asian summer monsoon between the Medieval Warm Period and Little Ice Age: a multi model study. <i>Progress in Earth and Planetary Science</i> , 2017, 4, .	1.1	6
462	Comparing proxy and model estimates of hydroclimate variability and change over the Common Era. <i>Climate of the Past</i> , 2017, 13, 1851-1900.	1.3	93
463	The dependence of the [FUV-MUV] colour on solar cycle. <i>Journal of Space Weather and Space Climate</i> , 2017, 7, A6.	1.1	12
464	SOLAR/SOLSPEC mission on ISS: In-flight performance for SSI measurements in the UV. <i>Astronomy and Astrophysics</i> , 2017, 600, A21.	2.1	11
465	The PMIP4 contribution to CMIP6 – Part 3: The last millennium, scientific objective, and experimental design for the PMIP4 <i>past1000</i> simulations. <i>Geoscientific Model Development</i> , 2017, 10, 4005-4033.	1.3	155
466	Solar forcing for CMIP6 (v3.2). <i>Geoscientific Model Development</i> , 2017, 10, 2247-2302.	1.3	293
467	Searching for the 27-day solar rotational cycle in lightning events recorded in old diaries in Kyoto from the 17th to 18th century. <i>Annales Geophysicae</i> , 2017, 35, 1195-1200.	0.6	4
468	Influence of solar variability on the occurrence of central European weather types from 1763 to 2009. <i>Climate of the Past</i> , 2017, 13, 1199-1212.	1.3	16
469	On the influence of solar cycle lengths and carbon dioxide on global temperatures. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2018, 173, 96-108.	0.6	3
470	Modulations of the surface magnetic field on the intra-cycle variability of total solar irradiance. <i>Astrophysics and Space Science</i> , 2018, 363, 1.	0.5	8
471	The Responses of Ozone Density to Solar Activity in the Mesopause Region and the Mutual Relationship Based on SABER Measurements During 2002–2016. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 3039-3049.	0.8	3
472	Climate forcings on vegetation of the southeastern Yucatán Peninsula (Mexico) during the middle to late Holocene. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 495, 214-226.	1.0	23
473	The respective characteristics of millennial-scale changes of the India summer monsoon in the Holocene and the Last Glacial. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 496, 155-165.	1.0	9
474	On the Origin of the Solar Cycle Modulation of the Southern Annular Mode. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 1959-1969.	1.2	6
475	Ultraviolet Flux Decrease Under a Grand Minimum from IUE Short-wavelength Observation of Solar Analogs. <i>Astrophysical Journal Letters</i> , 2018, 852, L4.	3.0	2
476	Short-Term Solar Modulation of the Madden–Julian Climate Oscillation. <i>Journals of the Atmospheric Sciences</i> , 2018, 75, 857-873.	0.6	9

#	ARTICLE	IF	CITATIONS
477	Cosmogenic Nuclides. , 0, , 363-406.		0
478	Response of the dynamic and thermodynamic structure of the stratosphere to the solar cycle in the boreal winter. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2018, 169, 122-129.	0.6	2
479	On How the Middle Atmospheric Residual Circulation Responds to the Solar Cycle Close to the Solstices. <i>Journal of Climate</i> , 2018, 31, 401-421.	1.2	4
480	Relationships of Rainy Season Precipitation and Temperature to Climate Indices in California: Long-Term Variability and Extreme Events. <i>Journal of Climate</i> , 2018, 31, 1921-1942.	1.2	23
481	The 11-Year Solar Cycle Response of the Equatorial Ionization Anomaly Observed by GPS Radio Occultation. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 848-861.	0.8	11
482	On the Synchronizability of Tayler-Spruit and Babcock-Leighton Type Dynamos. <i>Solar Physics</i> , 2018, 293, 1.	1.0	17
483	Responses of ENSO and NAO to the external radiative forcing during the last millennium: Results from CCSM4 and MPI-ESM-P simulations. <i>Quaternary International</i> , 2018, 487, 99-111.	0.7	7
484	Polar Ozone Response to Energetic Particle Precipitation Over Decadal Time Scales: The Role of Medium-Energy Electrons. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 607-622.	1.2	38
485	Climate impact of idealized winter polar mesospheric and stratospheric ozone losses as caused by energetic particle precipitation. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 1079-1089.	1.9	21
486	Total ozone trends from 1979 to 2016 derived from five merged observational datasets – the emergence into ozone recovery. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 2097-2117.	1.9	118
487	Lightning Discharges, Cosmic Rays and Climate. <i>Surveys in Geophysics</i> , 2018, 39, 861-899.	2.1	15
488	Space Weather Effects in the Earth's Radiation Belts. <i>Space Science Reviews</i> , 2018, 214, 1.	3.7	121
489	Solar cyclic variability can modulate winter Arctic climate. <i>Scientific Reports</i> , 2018, 8, 4864.	1.6	23
490	Potential forcings of summer temperature variability of the southeastern Tibetan Plateau in the past 12 ka. <i>Journal of Asian Earth Sciences</i> , 2018, 159, 34-41.	1.0	4
491	Inferring geoeffective solar variability signature in stratospheric and tropospheric Northern Hemisphere temperatures. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2018, 180, 137-147.	0.6	4
492	Wind climatology of Toronto based on the NCEP/NCAR reanalysis 1 data and its potential relation to solar activity. <i>Theoretical and Applied Climatology</i> , 2018, 131, 827-843.	1.3	11
493	Robust design and optimization of solar photovoltaic supply chain in an uncertain environment. <i>Energy</i> , 2018, 142, 139-156.	4.5	50
494	Solar signal on regional scale: A study of possible solar impact upon Romania's climate. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2018, 177, 257-265.	0.6	16

#	ARTICLE	IF	CITATIONS
495	Climate changes reconstructed from a glacial lake in High Central Asia over the past two millennia. <i>Quaternary International</i> , 2018, 487, 43-53.	0.7	35
496	Impact of Volcanic Eruptions on Decadal to Centennial Fluctuations of Arctic Sea Ice Extent during the Last Millennium and on Initiation of the Little Ice Age. <i>Journal of Climate</i> , 2018, 31, 2145-2167.	1.2	52
497	Appraising the cohesion of palaeoenvironmental reconstructions in north-west Spain since the mid-Holocene from a high temporal resolution multi-proxy peat record. <i>Holocene</i> , 2018, 28, 681-694.	0.9	4
498	Late Holocene forest contraction and fragmentation in central Africa. <i>Quaternary Research</i> , 2018, 89, 43-59.	1.0	53
499	Can solar cycle modulate the ENSO effect on the Pacific/North American pattern?. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2018, 167, 30-38.	0.6	8
500	Long-term evolution of the Lower Danube discharge and corresponding climate variations: solar signature imprint. <i>Theoretical and Applied Climatology</i> , 2018, 133, 985-996.	1.3	12
501	Changing response of the North Atlantic/European winter climate to the 11 year solar cycle. <i>Environmental Research Letters</i> , 2018, 13, 034007.	2.2	20
502	Manifestation of the Solar Cycle in the Circulation Characteristics of the Lower Atmosphere in the Northern Hemisphere. <i>Geomagnetism and Aeronomy</i> , 2018, 58, 775-783.	0.2	3
503	Contributions of Natural and Anthropogenic Forcing Agents to the Early 20th Century Warming. <i>Frontiers in Earth Science</i> , 2018, 6, .	0.8	15
504	Metrology of solar spectral irradiance at the top of the atmosphere in the near infrared measured at Mauna Loa Observatory: the PYR-ILIOS campaign. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 6605-6615.	1.2	2
505	Halistatt Cycle Subarctic Fennoscandian Temperature and Its Possible Link with Solar Activity. <i>Geomagnetism and Aeronomy</i> , 2018, 58, 1029-1036.	0.2	1
506	How does the Sun affect the surface temperature?. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018, 211, 012002.	0.2	0
507	Quasi-Decadal Variations of Lower Stratosphere Meteorological Parameters and Total Ozone Global Fields Based on Satellite Data. <i>Izvestiya - Atmospheric and Oceanic Physics</i> , 2018, 54, 1068-1075.	0.2	2
508	Response of the total electron content at Brazilian low latitudes to corotating interaction region and high-speed streams during solar minimum 2008. <i>Earth, Planets and Space</i> , 2018, 70, .	0.9	10
509	Galactic Cosmic Rays and Low Clouds: Possible Reasons for Correlation Reversal. , 2018, , .		2
510	Recent multivariate changes in the North Atlantic climate system, with a focus on 2005â€“2016. <i>International Journal of Climatology</i> , 2018, 38, 5050-5076.	1.5	34
511	Cyclic variations of gas components in tree-ring chronologies as response to climatic cycles. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018, 211, 012039.	0.2	1
512	IMF-driven change to the Antarctic tropospheric temperature due to the global atmospheric electric circuit. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2018, 180, 148-152.	0.6	15

#	ARTICLE	IF	CITATIONS
513	Preindustrial Control Simulations With HadGEM3-CC3.1 for CMIP6. Journal of Advances in Modeling Earth Systems, 2018, 10, 3049-3075.	1.3	62
514	Solar total and spectral irradiance reconstruction over the last 9000 years. Astronomy and Astrophysics, 2018, 620, A120.	2.1	76
515	Revision of the Sun's Spectral Irradiance as Measured by SORCE SIM. Solar Physics, 2018, 293, 1.	1.0	18
516	Earth's Incoming Energy: The Total Solar Irradiance. , 2018, , 32-66.		4
517	The Correlation of Synthetic UV Color versus Mg ii Index along the Solar Cycle. Astrophysical Journal, 2018, 865, 22.	1.6	15
518	Abrupt cold events in the North Atlantic Ocean in a transient Holocene simulation. Climate of the Past, 2018, 14, 1165-1178.	1.3	17
520	Global Change, Space Weather, and Climate. , 0, , 28-39.		1
522	Radial velocities. , 0, , 17-80.		0
523	Astrometry. , 0, , 81-102.		0
524	Timing. , 0, , 103-118.		0
525	Microlensing. , 0, , 119-152.		0
527	Host stars. , 0, , 373-428.		0
528	Brown dwarfs and free-floating planets. , 0, , 429-448.		0
529	Formation and evolution. , 0, , 449-558.		0
530	Interiors and atmospheres. , 0, , 559-648.		0
531	The solar system. , 0, , 649-700.		0
539	On ozone trend detection: using coupled chemistry-climate simulations to investigate early signs of total column ozone recovery. Atmospheric Chemistry and Physics, 2018, 18, 7625-7637.	1.9	18
540	Decadal variability in the Northern Hemisphere winter circulation: Effects of different solar and terrestrial drivers. Journal of Atmospheric and Solar-Terrestrial Physics, 2018, 179, 40-54.	0.6	14

#	ARTICLE	IF	CITATIONS
541	Holocene forest dynamics in central and western Mediterranean: periodicity, spatio-temporal patterns and climate influence. <i>Scientific Reports</i> , 2018, 8, 8929.	1.6	59
542	Influence of Low-frequency Solar Forcing on the East Asian Winter Monsoon Based on HadCM3 and Observations. <i>Advances in Atmospheric Sciences</i> , 2018, 35, 1205-1215.	1.9	7
543	Climate reconstruction for the Entreâ€Douroâ€eâ€Minho region (NW Portugal) between AD 1626 and AD 1820: synthesis of viticulture data and foraminiferal evidence. <i>Boreas</i> , 2018, 47, 1033-1049.	1.2	5
544	Late Holocene climatic variability in Subarctic Canada: Insights from a high-resolution lake record from the central Northwest Territories. <i>PLoS ONE</i> , 2018, 13, e0199872.	1.1	14
545	Variability and trend in ozone over the southern tropics and subtropics. <i>Annales Geophysicae</i> , 2018, 36, 381-404.	0.6	23
546	Solar Cycle Response of CO 2 Over the Austral Winter Mesosphere and Lower Thermosphere Region. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 7581-7597.	0.8	2
547	Influences of the 11-yr Sunspot Cycle and Polar Vortex Oscillation on Observed Winter Temperature Variations in China. <i>Journal of Meteorological Research</i> , 2018, 32, 367-379.	0.9	4
548	Surface impacts of the Quasi Biennial Oscillation. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 8227-8247.	1.9	105
549	Sunspot cycles recorded in siliciclastic biolaminites at the dawn of the Neoproterozoic Sturtian glaciation in South China. <i>Precambrian Research</i> , 2018, 315, 75-91.	1.2	12
550	Large floods in South East Queensland, Australia: Is it valid to assume they occur randomly?. <i>Australian Journal of Water Resources</i> , 2018, 22, 4-14.	1.6	14
551	Significant Space Weather Impact on the Escape of Hydrogen From Mars. <i>Geophysical Research Letters</i> , 2018, 45, 8844-8852.	1.5	29
552	Influence of solar wind energy flux on the interannual variability of ENSO in the subsequent year. <i>Atmospheric and Oceanic Science Letters</i> , 2018, 11, 165-172.	0.5	8
553	The representation of solar cycle signals in stratospheric ozone â€“ PartÂ2: Analysis of global models. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 11323-11343.	1.9	18
554	The New SCIAMACHY Reference Solar Spectral Irradiance and Its Validation. <i>Solar Physics</i> , 2018, 293, 1.	1.0	11
555	Transits. , 0, , 153-328.		0
556	Solar Wind Signatures Throughout the Highâ€Latitude Atmosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 4517-4520.	0.8	2
557	Evolutionary interpretation of Holocene landscapes in eastern Brazil by optimally stimulated luminescence: Surface coverings and climatic pulsations. <i>Catena</i> , 2019, 172, 866-876.	2.2	9
558	Hydroclimatic variability in Southeast Asia over the past two millennia. <i>Earth and Planetary Science Letters</i> , 2019, 525, 115737.	1.8	31

#	ARTICLE	IF	CITATIONS
559	Solar insolation driven periodicities in southwest monsoon and its impact on NE Arabian Sea paleoceanography. <i>Geoscience Frontiers</i> , 2019, 10, 2251-2263.	4.3	14
560	Robust Solar Signature in Late Winter Precipitation Over Southern China. <i>Geophysical Research Letters</i> , 2019, 46, 9940-9948.	1.5	9
561	The influence of aerosol on the sunlight divergence in the atmospheric Indonesia. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 303, 012040.	0.2	0
562	Global Fire Forecasts Using Both Large-scale Climate Indices and Local Meteorological Parameters. <i>Global Biogeochemical Cycles</i> , 2019, 33, 1129-1145.	1.9	17
563	South Atlantic Surface Boundary Current System during the Last Millennium in the CESM-LME: The Medieval Climate Anomaly and Little Ice Age. <i>Geosciences (Switzerland)</i> , 2019, 9, 299.	1.0	5
564	An Integrated Variational Mode Decomposition and ARIMA Model to Forecast Air Temperature. <i>Sustainability</i> , 2019, 11, 4018.	1.6	21
565	Role of Natural and Anthropogenic Loadings on Indian Temperature Trends. <i>Pure and Applied Geophysics</i> , 2019, 176, 5125-5140.	0.8	2
566	Contrasting effects of winter and summer climate on Holocene montane vegetation belts evolution in southeastern Qinghai-Tibetan Plateau, China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019, 533, 109232.	1.0	21
567	Causes of climate change over the historical record. <i>Environmental Research Letters</i> , 2019, 14, 123006.	2.2	95
568	Clear-sky ultraviolet radiation modelling using output from the Chemistry Climate Model Initiative. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 10087-10110.	1.9	22
569	Millennial-scale fluctuations in water volume transported by the Tsushima Warm Current in the Japan Sea during the Holocene. <i>Global and Planetary Change</i> , 2019, 183, 103028.	1.6	3
570	Radiative Forcing of Climate: The Historical Evolution of the Radiative Forcing Concept, the Forcing Agents and their Quantification, and Applications. <i>Meteorological Monographs</i> , 2019, 59, 14.1-14.101.	5.0	52
571	Holocene vegetation patterns in southern Lithuania indicate astronomical forcing on the millennial and centennial time scales. <i>Scientific Reports</i> , 2019, 9, 14711.	1.6	11
572	Periodicity in stromatolitic lamination: A potential record of ENSO, NAO, and SUNSPOT in the Miocene lacustrine record of the Ebro Basin, Spain. <i>Sedimentary Geology</i> , 2019, 390, 83-99.	1.0	4
573	Regional, seasonal, and inter-annual variations of Antarctic and sub-Antarctic temperature anomalies related to the Mansurov effect. <i>Environmental Research Communications</i> , 2019, 1, 111007.	0.9	6
574	The Effect of Solar Cycle on Climate of Northeast Asia. <i>Journal of Meteorological Research</i> , 2019, 33, 885-894.	0.9	5
575	Assessing North Atlantic winter climate response to geomagnetic activity and solar irradiance variability. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2019, 145, 3780-3789.	1.0	15
576	Physical Processes of Space Weather. , 2019, , 209-228.		0

#	ARTICLE	IF	CITATIONS
577	100 Years of Progress in Understanding the Stratosphere and Mesosphere. Meteorological Monographs, 2019, 59, 27.1-27.62.	5.0	37
578	Assessing External and Internal Sources of Atlantic Multidecadal Variability Using Models, Proxy Data, and Early Instrumental Indices. Journal of Climate, 2019, 32, 7727-7745.	1.2	26
579	Separating the role of direct radiative heating and photolysis in modulating the atmospheric response to the amplitude of the 11-year solar cycle forcing. Atmospheric Chemistry and Physics, 2019, 19, 9833-9846.	1.9	3
580	Periodicity Variation of Solar Activity and Cosmic Rays During Solar Cycles 22â€”24. Solar Physics, 2019, 294, 1.	1.0	14
581	High- and low-latitude forcing on the south Yellow Sea surface water temperature variations during the Holocene. Global and Planetary Change, 2019, 182, 103025.	1.6	22
582	Numerical simulation of climate response to ultraviolet irradiation forcing. Advances in Climate Change Research, 2019, 10, 133-142.	2.1	2
583	Towards operational predictions of the near-term climate. Nature Climate Change, 2019, 9, 94-101.	8.1	116
584	Application of lagged correlations between solar cycles and hydrosphere components towards sub-decadal forecasts of streamflows in the Western USA. Hydrological Sciences Journal, 2019, 64, 137-164.	1.2	1
585	The Upper Stratospheric Solar Cycle Ozone Response. Geophysical Research Letters, 2019, 46, 1831-1841.	1.5	13
586	Simulating the atmospheric response to the 11-year solar cycle forcing with the UM-UKCA model: the role of detection method and natural variability. Atmospheric Chemistry and Physics, 2019, 19, 5209-5233.	1.9	7
587	High-resolution records of ¹⁰ Be in endogenic travertine from Baishuitai, China: A new proxy record of annual solar activity?. Quaternary Science Reviews, 2019, 216, 34-46.	1.4	5
588	Decadal variability of north-eastern Atlantic storminess at the mid-Holocene: New inferences from a record of wind-blown sand, western Denmark. Global and Planetary Change, 2019, 180, 16-32.	1.6	6
589	A Model of a Tidally Synchronized Solar Dynamo. Solar Physics, 2019, 294, 1.	1.0	43
590	On forcings of length of day changes: From 9-day to 18.6-year oscillations. Physics of the Earth and Planetary Interiors, 2019, 292, 1-11.	0.7	22
591	The Long-Term Trends of Nocturnal Mesopause Temperature and Altitude Revealed by Na Lidar Observations Between 1990 and 2018 at Midlatitude. Journal of Geophysical Research D: Atmospheres, 2019, 124, 5970-5980.	1.2	22
592	Effects of Continuum Fudging on Non-LTE Synthesis of Stellar Spectra. I. Effects on Estimates of UV Continua and Solar Spectral Irradiance Variability. Astrophysical Journal, 2019, 872, 52.	1.6	11
593	Climate Change and Secondary Metabolism in Plants: Resilience to Disruption. , 2019, , 95-131.		2
594	Impact of solar activity on precipitation in the United States. Physica A: Statistical Mechanics and Its Applications, 2019, 527, 121387.	1.2	7

#	ARTICLE	IF	CITATIONS
595	Long-term variability of drought indices in the Czech Lands and effects of external forcings and large-scale climate variability modes. <i>Climate of the Past</i> , 2019, 15, 827-847.	1.3	12
596	The role of natural factors (part 1): addressing on mechanism of different types of ENSO, related teleconnections and solar influence. <i>Theoretical and Applied Climatology</i> , 2019, 137, 469-480.	1.3	13
597	Temporal and spatial characteristics of droughts and floods in northern China from 1644 to 1911. <i>Journal of Earth System Science</i> , 2019, 128, 1.	0.6	4
598	Intensity contrast of solar network and faculae. <i>Astronomy and Astrophysics</i> , 2019, 624, A135.	2.1	4
599	Reliability of the global climate models during 1961–1999 in arid and semiarid regions of China. <i>Science of the Total Environment</i> , 2019, 667, 271-286.	3.9	34
600	A 1000-year record of centennial-scale cyclical vegetation change from Maar Lake Sanjiaolongwan in northeastern China. <i>Journal of Asian Earth Sciences</i> , 2019, 176, 315-324.	1.0	8
601	Connection between the length of day and wind measurements in the mesosphere and lower thermosphere at mid- and high latitudes. <i>Annales Geophysicae</i> , 2019, 37, 1-14.	0.6	2
602	Decadal Variations of the East Asian Summer Monsoon Forced by the 11-Year Insolation Cycle. <i>Journal of Climate</i> , 2019, 32, 2735-2745.	1.2	17
603	Observed and Simulated Teleconnections Between the Stratospheric Quasi-Biennial Oscillation and Northern Hemisphere Winter Atmospheric Circulation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 1219-1232.	1.2	59
604	Sensitivity to solar activity of the Northern Hemisphere warming for the years 1980–2500. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2019, 189, 107-113.	0.6	1
605	Effects of solar activity variations on dynamical processes in the atmosphere: Analysis of empirical data and modeling. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 231, 012021.	0.2	1
606	Slowdown of the Walker circulation at solar cycle maximum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 7186-7191.	3.3	42
607	A Solar Signature in Many Climate Indices. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 2600-2619.	1.2	48
608	Medieval Climate in the Eastern Mediterranean: Instability and Evidence of Solar Forcing. <i>Atmosphere</i> , 2019, 10, 29.	1.0	17
609	Improved decadal prediction of Northern-Hemisphere summer land temperature. <i>Climate Dynamics</i> , 2019, 53, 1357-1369.	1.7	23
610	Centennial-Scale Temperature Change in Last Millennium Simulations and Proxy-Based Reconstructions. <i>Journal of Climate</i> , 2019, 32, 2441-2482.	1.2	32
611	Overview of the NASA Solar Irradiance Science Team (SIST) Program Special Section. <i>Earth and Space Science</i> , 2019, 6, 2229-2231.	1.1	5
612	Analysis of full disc Ca II K spectroheliograms. <i>Astronomy and Astrophysics</i> , 2019, 625, A69.	2.1	41

#	ARTICLE	IF	CITATIONS
613	Empirical Evidence Linking the Pacific Decadal Precession to Kuroshio Extension Variability. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 12845-12863.	1.2	10
614	Biogenically induced bedded chert formation in the alkaline palaeo-lake of the Green River Formation. <i>Scientific Reports</i> , 2019, 9, 16448.	1.6	12
615	Spatio-temporal changes of the climatic water balance in Romania as a response to precipitation and reference evapotranspiration trends during 1961–2013. <i>Catena</i> , 2019, 172, 295-312.	2.2	71
616	Solar variability manifestations in weather and climate characteristics. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2019, 182, 217-222.	0.6	8
617	Solar activities and climate change during the last millennium recorded in Korean chronicles. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2019, 186, 139-146.	0.6	4
618	The Solar Photospheric Continuum Brightness as a Function of Mean Magnetic Flux Density. I. The Role of the Magnetic Structure Size Distribution. <i>Astrophysical Journal</i> , 2019, 870, 89.	1.6	5
619	Visualization of the challenges and limitations of the long-term sunspot number record. <i>Nature Astronomy</i> , 2019, 3, 205-211.	4.2	81
620	Subglacial sediment production and snout marginal ice uplift during the late ablation season of a temperate valley glacier. <i>Earth Surface Processes and Landforms</i> , 2019, 44, 1117-1136.	1.2	19
621	Spatial analysis of early-warning signals for a North Atlantic climate transition in a coupled GCM. <i>Climate Dynamics</i> , 2019, 53, 97-113.	1.7	8
622	Reconstructing the western boundary variability of the Western Pacific Subtropical High over the past 2000 years via Chinese cave oxygen isotope records. <i>Climate Dynamics</i> , 2019, 52, 3741-3757.	1.7	31
623	Solar impacts on decadal variability of tropopause temperature and lower stratospheric (LS) water vapour: a mechanism through ocean–atmosphere coupling. <i>Climate Dynamics</i> , 2019, 52, 5585-5604.	1.7	17
624	Plausible modulation of solar wind energy flux input on global tropical cyclone activity. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2019, 192, 104775.	0.6	8
625	The response of the atmosphere to solar variations. <i>Indian Journal of Physics</i> , 2020, 94, 737-752.	0.9	4
626	Proxy reconstruction of ultraviolet-B irradiance at the Earth's surface, and its relationship with solar activity and ozone thickness. <i>Holocene</i> , 2020, 30, 155-161.	0.9	15
627	Stratospheric Influences on the MJO-Induced Rossby Wave Train: Effects on Intraseasonal Climate. <i>Journal of Climate</i> , 2020, 33, 365-389.	1.2	7
628	Characteristic Time Scales of Decadal to Centennial Changes in Global Surface Temperatures Over the Past 1500 Years. <i>Earth and Space Science</i> , 2020, 7, e2019EA000671.	1.1	20
629	Solar-wind–magnetosphere energy influences the interannual variability of the northern-hemispheric winter climate. <i>National Science Review</i> , 2020, 7, 141-148.	4.6	4
630	Energetic electron precipitation into the atmosphere. , 2020, , 279-321.		6

#	ARTICLE	IF	CITATIONS
631	Duplex equilibria of Ural circulation anomalies. <i>Climate Dynamics</i> , 2020, 54, 1425-1452.	1.7	2
632	New Single-Year Radiocarbon Measurements Based on Danish oak Covering the Periods AD 692â€“790 and 966â€“1057. <i>Radiocarbon</i> , 2020, 62, 969-987.	0.8	8
634	Evidence for Solar Modulation on the Millennial-Scale Climate Change of Earth. <i>Universe</i> , 2020, 6, 153.	0.9	10
635	WACCM simulations: Decadal winter-to-spring climate impact on middle atmosphere and troposphere from medium energy electron precipitation. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2020, 209, 105382.	0.6	6
636	A Continental Study of Relationships Between Leaf N and P Stoichiometry and Solar Radiation Including its Direct, Diffuse, and Spectral Components. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2020JG005747.	1.3	9
637	The Dimmest State of the Sun. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090243.	1.5	24
638	Modes of climate variability: Synthesis and review of proxy-based reconstructions through the Holocene. <i>Earth-Science Reviews</i> , 2020, 209, 103286.	4.0	41
639	On the role of Rossby wave breaking in the quasi-biennial modulation of the stratospheric polar vortex during boreal winter. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2020, 146, 1939-1959.	1.0	28
640	Identification of solar periodicities in southern African baobab $\delta^{13}C$ record. <i>South African Journal of Science</i> , 2020, 116, .	0.3	0
641	Evidence of wet-dry cycles and mega-droughts in the Eemian climate of southeast Australia. <i>Scientific Reports</i> , 2020, 10, 18000.	1.6	6
642	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
643	Investigation of the Vertical Influence of the 11-Year Solar Cycle on Ozone Using SBUV and Antarctic Ground-Based Measurements and CMIP6 Forcing Data. <i>Atmosphere</i> , 2020, 11, 873.	1.0	4
644	Analysis of full-disc Ca II K spectroheliograms. <i>Astronomy and Astrophysics</i> , 2020, 639, A88.	2.1	32
645	Temporal Changes of Near-Surface Air Temperature in Poland for 1781â€“2016 and in Tbilisi (Georgia) for 1881â€“2016. <i>Earth and Space Science</i> , 2020, 7, e2020EA001174.	1.1	1
646	Forecasting extreme stratospheric polar vortex events. <i>Nature Communications</i> , 2020, 11, 4630.	5.8	20
647	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.	1.0	10
648	Manifestation of the 11-year solar cycle in the North Atlantic climate. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 606, 012018.	0.2	0
649	Intercomparing Solar Spectral Irradiance From SORCE SIM. <i>Earth and Space Science</i> , 2020, 7, e2019EA001002.	1.1	7

#	ARTICLE	IF	CITATIONS
650	Historical Simulations With HadGEM3â€‘GC3.1 for CMIP6. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS001995.	1.3	84
651	Influence of Enhanced Planetary Wave Activity on the Polar Vortex Enhancement Related to Energetic Electron Precipitation. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD032137.	1.2	11
652	Behaviour of monthly tides from meteor radar winds at 22.7Â°S during declining phases of 23 and 24 solar cycles. Journal of Atmospheric and Solar-Terrestrial Physics, 2020, 205, 105298.	0.6	7
653	Observational Validation of Cutoff Models as Boundaries of Solar Proton Event Impact Area. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027935.	0.8	3
654	A decadal-resolution stalagmite record of strong Asian summer monsoon from northwestern Vietnam over the Dansgaardâ€‘Oeschger events 2â€‘4. Journal of Asian Earth Sciences: X, 2020, 3, 100027.	0.6	4
655	Past African dust inputs in the western Mediterranean area controlled by the complex interaction between the Intertropical Convergence Zone, the North Atlantic Oscillation, and total solar irradiance. Climate of the Past, 2020, 16, 283-298.	1.3	16
656	ThaddÃus Derfflingerâ€™s Sunspot Observations during 1802â€‘1824: A Primary Reference to Understand the Dalton Minimum. Astrophysical Journal, 2020, 890, 98.	1.6	35
657	Solar wind signal in the wintertime North Atlantic oscillation and Northern Hemispheric circulation. International Journal of Climatology, 2020, 40, 4272-4288.	1.5	0
658	The LASCO Coronal Brightness Index. Solar Physics, 2020, 295, 1.	1.0	6
659	Influences of Solar Forcing at Ultraviolet and Longer Wavelengths on Climate. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031640.	1.2	8
660	SI-traceable Spectral Irradiance Radiometric Characterization and Absolute Calibration of the TSIS-1 Spectral Irradiance Monitor (SIM). Remote Sensing, 2020, 12, 1818.	1.8	27
661	Quantifying uncertainties of climate signals in chemistry climate models related to the 11-year solar cycle â€“ Part 1: Annual mean response in heating rates, temperature, and ozone. Atmospheric Chemistry and Physics, 2020, 20, 6991-7019.	1.9	3
662	Major Climate Variability and Natural Factors in Boreal Winter. Pure and Applied Geophysics, 2020, 177, 4983-5005.	0.8	3
663	Holocene summer temperature in arid central Asia linked to millennial-scale North Atlantic climate events and driven by centennial-scale solar activity. Palaeogeography, Palaeoclimatology, Palaeoecology, 2020, 556, 109880.	1.0	11
664	Relationship between Solar Windâ€™Magnetosphere Energy and Eurasian Winter Cold Events. Advances in Atmospheric Sciences, 2020, 37, 652-661.	1.9	1
665	Variations and covariation in palaeoclimate and palaeomagnetic field. , 2020, , 25-42.		1
666	Current understanding about the factors driving climate variability. , 2020, , 43-69.		0
667	LVSQ-SAT, a Pathfinder CubeSat Mission for Observing Essential Climate Variables. Remote Sensing, 2020, 12, 92.	1.8	14

#	ARTICLE	IF	CITATIONS
668	Possible effects of galactic cosmic ray flux and low-cloud amounts on global surface temperature. <i>Pramana - Journal of Physics</i> , 2020, 94, 1.	0.9	1
669	Relationship between Sunspot Numbers and Mean Annual Precipitation: Application of Cross-Wavelet Transform—A Case Study. <i>J</i> , 2020, 3, 67-78.	0.6	15
670	Twenty-First-Century Climate Change Hot Spots in the Light of a Weakening Sun. <i>Journal of Climate</i> , 2020, 33, 3431-3447.	1.2	6
671	Yellow River flooding during the past two millennia from historical documents. <i>Progress in Physical Geography</i> , 2020, 44, 661-678.	1.4	17
672	High time-resolution alkenone paleotemperature variations in Tokyo Bay during the Meghalayan: Implications for cold climates and social unrest in Japan. <i>Quaternary Science Reviews</i> , 2020, 230, 106160.	1.4	7
673	Comparing Radiative Transfer Codes and Opacity Samplings for Solar Irradiance Reconstructions. <i>Solar Physics</i> , 2020, 295, 1.	1.0	12
674	Simulated and reconstructed atmospheric variability and their relation with large Pre-industrial summer floods in the Hasli-Aare catchment (Swiss Alps) since 1300 CE. <i>Global and Planetary Change</i> , 2020, 190, 103191.	1.6	6
675	Associations between Quasi-biennial Oscillation phase, solar wind, geomagnetic activity, and the incidence of acute myocardial infarction. <i>International Journal of Biometeorology</i> , 2020, 64, 1207-1220.	1.3	11
676	The combined influences for solar-geomagnetic activities and the atmospheric circulation NAO on global surface temperatures. <i>Indian Journal of Physics</i> , 2021, 95, 1041-1049.	0.9	1
677	Vegetation evolution in response to climate change and rapid sea-level rise during 8.2±7.0 cal BP: Pollen evidence from the northwest coast of Bohai Bay, north China. <i>Catena</i> , 2021, 196, 104869.	2.2	16
678	Sudden Stratospheric Warmings. <i>Reviews of Geophysics</i> , 2021, 59, .	9.0	204
679	A review of 6000±5000 cal BP climatic anomalies in China. <i>Quaternary International</i> , 2021, 571, 58-72.	0.7	5
680	Reconstruction of cold front frequency over Cape Town, South Africa, using daily mean sea level pressure values: 1834±1899. <i>International Journal of Climatology</i> , 2021, 41, 1784-1800.	1.5	2
681	Varve microfacies and chronology from a new sediment record of Lake Gołciński (Poland). <i>Quaternary Science Reviews</i> , 2021, 251, 106715.	1.4	15
682	Tree-ring based minimum temperature reconstruction on the southeastern Tibetan Plateau. <i>Quaternary Science Reviews</i> , 2021, 251, 106712.	1.4	17
683	Statistical associations of teleconnection indices and space weather with spring weather pattern in the Eastern Baltic region. <i>International Journal of Climatology</i> , 2021, 41, E3034.	1.5	0
684	Kauri Tree Ring Stable Isotopes Reveal a Centennial Climate Downturn Following the Antarctic Cold Reversal in New Zealand. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL090299.	1.5	1
685	Changing patterns in aerosol vertical distribution over South and East Asia. <i>Scientific Reports</i> , 2021, 11, 308.	1.6	26

#	ARTICLE	IF	CITATIONS
686	Solar-Cycle Characteristics in Kodaikanal Sunspot Area: North-South Asymmetry, Phase Distribution and Gnevyshev Gap. <i>Solar Physics</i> , 2021, 296, 1.	1.0	15
687	Opto-mechanical design and calibration of a hyperspectral irradiance monitor. <i>Applied Optics</i> , 2021, 60, 1744.	0.9	0
688	Predictions of Astrometric Jitter for Sun-like Stars. I. The Model and Its Application to the Sun as Seen from the Ecliptic. <i>Astrophysical Journal</i> , 2021, 908, 223.	1.6	6
689	Lower-thermosphere-ionosphere (LTI) quantities: current status of measuring techniques and models. <i>Annales Geophysicae</i> , 2021, 39, 189-237.	0.6	25
690	Holocene Millennial-Scale Solar Variability and the Climatic Responses on Earth. <i>Universe</i> , 2021, 7, 36.	0.9	2
691	Development of Cost-efficient Wireless Network for Solar UV Irradiation Monitoring in Bulgaria. <i>Journal of Physics: Conference Series</i> , 2021, 1762, 012040.	0.3	1
692	Aleutian Low variability for the last 7500 years and its relation to the Westerly Jet. <i>Quaternary Research</i> , 2022, 108, 161-179.	1.0	6
693	Spatial-Temporal Characteristics of Precipitation and Its Relationship with Land Use/Cover Change on the Qinghai-Tibet Plateau, China. <i>Land</i> , 2021, 10, 269.	1.2	23
694	Documented and Simulated Warm Extremes during the Last 600 Years over Monsoonal China. <i>Atmosphere</i> , 2021, 12, 362.	1.0	2
695	Holocene variability of East Asian summer monsoon as viewed from the speleothem $\delta^{18}O$ records in central China. <i>Earth and Planetary Science Letters</i> , 2021, 559, 116759.	1.8	37
696	The Possible Effect of Space Weather Factors on Various Physiological Systems of the Human Organism. <i>Atmosphere</i> , 2021, 12, 346.	1.0	23
697	The Footprint of the 11-Year Solar Cycle in Northeastern Pacific SSTs and Its Influence on the Central Pacific El Niño. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091369.	1.5	18
698	The impact of cyclical, multi-decadal to centennial climate variability on arsenic sequestration in lacustrine sediments. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 565, 110189.	1.0	4
699	The significance of climate variability on early modern European grain prices. <i>Climetrica</i> , 2022, 16, 29-77.	1.3	11
700	A review of the SCOSTEP's 5-year scientific program VarSIT-Variability of the Sun and Its Terrestrial Impact. <i>Progress in Earth and Planetary Science</i> , 2021, 8, .	1.1	10
702	Global Surface Temperature Response to 11-Yr Solar Cycle Forcing Consistent with General Circulation Model Results. <i>Journal of Climate</i> , 2021, 34, 2893-2903.	1.2	4
703	Quantifying the Impact of Solar Spectra on the Inter-Calibration of Satellite Instruments. <i>Remote Sensing</i> , 2021, 13, 1438.	1.8	8
704	Irradiance Variations of the Sun and Sun-Like Stars - Overview of Topical Collection. <i>Solar Physics</i> , 2021, 296, 1.	1.0	11

#	ARTICLE	IF	CITATIONS
705	How Atmospheric Chemistry and Transport Drive Surface Variability of N ₂ O and CFC-11. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033979.	1.2	11
706	Surface and Tropospheric Response of North Atlantic Summer Climate from Paleoclimate Simulations of the Past Millennium. <i>Atmosphere</i> , 2021, 12, 568.	1.0	1
707	Captura de Langosta en Baja California y su relación con la Actividad Solar. <i>Revista Iberoamericana De Bioeconomía Y Cambio Climático</i> , 2021, 7, 1488-1498.	0.6	2
708	Termination of Solar Cycles and Correlated Tropospheric Variability. <i>Earth and Space Science</i> , 2021, 8, e2020EA001223.	1.1	11
709	Assessing the solar variability signature in climate variables by information theory and wavelet coherence. <i>Scientific Reports</i> , 2021, 11, 11337.	1.6	10
710	The connection of east Asia and southwestern north America in climate change mode since the last glacial maximum at various timescales. <i>Quaternary Science Reviews</i> , 2021, 260, 106935.	1.4	2
711	The 11 year solar cycle UV irradiance effect and its dependency on the Pacific Decadal Oscillation. <i>Environmental Research Letters</i> , 2021, 16, 064030.	2.2	6
712	Transient Extratropical Response to Solar Ultraviolet Radiation in the Northern Hemisphere Winter. <i>Journal of Climate</i> , 2021, 34, 3367-3383.	1.2	4
713	Direct Influence of Solar Spectral Irradiance on the High-Latitude Surface Climate. <i>Journal of Climate</i> , 2021, 34, 4145-4158.	1.2	7
714	Predicting Sunspot Numbers Based on Inverse Number and Intelligent Fixed Point. <i>Solar Physics</i> , 2021, 296, 1.	1.0	4
715	Monsoonal climatic reconstruction from Central India during the last ca. 3600 cal yr: signatures of global climatic events, based on lacustrine sediment pollen records. <i>Palynology</i> , 2022, 46, 1-18.	0.7	7
716	Solar activity modulates the El Niño-Southern Oscillation-induced precipitation anomalies over southern China in early spring. <i>International Journal of Climatology</i> , 2021, 41, 6589-6601.	1.5	6
717	Modelling the evolution of the Sun's open and total magnetic flux. <i>Astronomy and Astrophysics</i> , 2021, 650, A70.	2.1	15
718	Impacts of sunspot number and Geomagnetic aa-index on climate of Wet Zone West Africa during solar cycles 22-24. <i>Scientific Reports</i> , 2021, 11, 11500.	1.6	4
719	Calibration and Characterization of Satellite-Borne Microwave Sounders With the Moon. <i>Earth and Space Science</i> , 2021, 8, e2021EA001725.	1.1	2
720	Vegetation dynamics and their response to Holocene climate change derived from multi-proxy records from Wangdongyang peat bog in southeast China. <i>Vegetation History and Archaeobotany</i> , 2022, 31, 247-260.	1.0	8
721	Periodic variations of rainfall, groundwater level and dissolved radon from the perspective of wavelet analysis: a case study in Tengchong, southwest China. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	1.3	7
722	Influence of Solar Wind on Secondary Cosmic Rays and Atmospheric Electricity. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	3

#	ARTICLE	IF	CITATIONS
723	Middle Atmosphere Temperature Changes Derived from SABER Observations during 2002-2020. <i>Journal of Climate</i> , 2021, , 1.	1.2	5
724	Evolution of Storm Surges over the Little Ice Age Indicated by Aeolian Sand Records on the Coast of the Beibu Gulf, China. <i>Water (Switzerland)</i> , 2021, 13, 1941.	1.2	1
725	Total Solar Irradiance Variability on the Evolutionary Timescale and its Impact on the Earth's Mean Surface Temperature. <i>Astrophysical Journal</i> , 2021, 917, 86.	1.6	1
726	Effects of Solar Proton Events of January 2005 on the middle atmosphere dynamics in the Northern hemisphere. <i>Advances in Space Research</i> , 2021, 68, 1814-1824.	1.2	7
727	Role Of the Sun and the Middle atmosphere/thermosphere/ionosphere In Climate (ROSMIC): a retrospective and prospective view. <i>Progress in Earth and Planetary Science</i> , 2021, 8, .	1.1	13
728	Summer Monsoon Rainfall Variability in Central China over the Past 4700 Years and Its Possible Link to Solar Activity. <i>Journal of Meteorological Research</i> , 2021, 35, 594-606.	0.9	3
729	How much has the Sun influenced Northern Hemisphere temperature trends? An ongoing debate. <i>Research in Astronomy and Astrophysics</i> , 2021, 21, 131.	0.7	43
730	Profiling soil volatile organic compounds after N fertilization in a soil grown with <i>Rosmarinus officinalis</i> . <i>Applied Soil Ecology</i> , 2021, 164, 103934.	2.1	5
731	Possible Origin of Some Periodicities Detected in Solar-Terrestrial Studies: Earth's Orbital Movements. <i>Earth and Space Science</i> , 2021, 8, e2021EA001805.	1.1	11
732	Impacts of UV Irradiance and Medium-Energy Electron Precipitation on the North Atlantic Oscillation during the 11-Year Solar Cycle. <i>Atmosphere</i> , 2021, 12, 1029.	1.0	3
733	Reconstructing solar irradiance from historical Ca II K observations. <i>Astronomy and Astrophysics</i> , 2021, 656, A104.	2.1	13
734	Sea surface temperature evolution in the Yellow Sea Warm Current pathway and its teleconnection with high and low latitude forcing during the mid-late Holocene. <i>Journal of Oceanology and Limnology</i> , 2022, 40, 93-109.	0.6	2
735	Tropical Western Pacific Hydrology During the Last 6,000 Years Based on Wildfire Charcoal Records From Borneo. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093832.	1.5	6
736	Distinct surface response to black carbon aerosols. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 13797-13809.	1.9	2
737	Similar patterns of tropical precipitation and circulation changes under solar and greenhouse gas forcing. <i>Environmental Research Letters</i> , 2021, 16, 104045.	2.2	2
738	Science Highlights and Final Updates from 17 Years of Total Solar Irradiance Measurements from the SOLar Radiation and Climate Experiment/Total Irradiance Monitor (SORCE/TIM). <i>Solar Physics</i> , 2021, 296, 133.	1.0	19
739	Earth's Albedo 1998-2017 as Measured From Earthshine. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094888.	1.5	21
740	Temporal and spatial response of Holocene temperature to solar activity. <i>Quaternary International</i> , 2022, 613, 39-45.	0.7	3

#	ARTICLE	IF	CITATIONS
741	352 years long fire history of a Siberian boreal forest and its primary driving factor. <i>Global and Planetary Change</i> , 2021, 207, 103653.	1.6	10
742	Spatial variability in long-term temperature trends in the middle atmosphere from SABER/TIMED observations. <i>Advances in Space Research</i> , 2021, 68, 2890-2903.	1.2	4
743	Winter vs. summer temperature variations on the southeastern Tibetan Plateau, 1718â€“2005ÂCE. <i>Atmospheric Research</i> , 2021, 261, 105739.	1.8	3
744	Sunspot cycles recorded in Eocene lacustrine fine-grained sedimentary rocks in the Bohai Bay Basin, eastern China. <i>Global and Planetary Change</i> , 2021, 205, 103614.	1.6	18
745	Quantitative impact of astronomical and sun-related cycles on the Pleistocene climate system from Antarctica records. <i>Quaternary Science Advances</i> , 2021, 4, 100037.	1.1	3
746	Centennial scale climate oscillations from southern Siberia in the Last Glacial Maximum. <i>Quaternary Science Reviews</i> , 2021, 270, 107171.	1.4	3
747	Decadal Amplitude Modulations of the Stratospheric Quasi-biennial Oscillation. <i>Journal of the Meteorological Society of Japan</i> , 2022, , .	0.7	1
748	Stratospheric ozone and quasi-biennial oscillation (QBO) interaction with the tropical troposphere on intraseasonal and interannual timescales: a normal-mode perspective. <i>Earth System Dynamics</i> , 2021, 12, 83-101.	2.7	10
749	The sun as a significant agent provoking earthquakes. <i>European Physical Journal: Special Topics</i> , 2021, 230, 287-333.	1.2	17
750	Changes in Barents Sea Ice Edge Positions in the Last 442 Years. Part 2: Sun, Moon and Planets. <i>International Journal of Astronomy and Astrophysics</i> , 2021, 11, 279-341.	0.2	2
751	Solar-Induced climate effects solar-induced Climate Effects climate effects. , 2012, , 9795-9820.		3
752	Electromagnetic Atmosphere-Plasma Coupling: The Global Atmospheric Electric Circuit. <i>Space Sciences Series of ISSI</i> , 2011, , 363-384.	0.0	1
753	Eclipses Observed by Large Yield RAdiometer (LYRA) â€“ A Sensitive Tool to Test Models for the Solar Irradiance. , 2012, , 271-287.		3
754	A Reconstruction of Ultraviolet Spectral Irradiance During the Maunder Minimum. , 2014, , 269-284.		1
755	Dynamical Processes in the Arctic Atmosphere. <i>Springer Polar Sciences</i> , 2020, , 1-51.	0.0	5
756	Solar Effects on Chemistry and Climate Including Ocean Interactions. <i>Springer Atmospheric Sciences</i> , 2013, , 541-571.	0.4	4
757	The Atmospheric Response to Solar Variability: Simulations with a General Circulation and Chemistry Model for the Entire Atmosphere. <i>Springer Atmospheric Sciences</i> , 2013, , 585-604.	0.4	1
758	Abrupt shifts in the Indian summer monsoon during the last three millennia. <i>Quaternary International</i> , 2020, 558, 59-65.	0.7	23

#	ARTICLE	IF	CITATIONS
760	Solar Irradiance Variability: Modeling the Measurements. Earth and Space Science, 2020, 7, e2019EA000645.	1.1	23
761	Geological support for the Umbrella Effect as a link between geomagnetic field and climate. Scientific Reports, 2017, 7, 40682.	1.6	19
762	Monitoring the solar UV irradiance spectrum from the observation of a few passbands. Astronomy and Astrophysics, 2011, 528, A68.	2.1	20
763	Confronting a solar irradiance reconstruction with solar and stellar data. Astronomy and Astrophysics, 2012, 544, A88.	2.1	32
764	SOLAR-v: A new solar spectral irradiance dataset based on SOLAR/SOLSPEC observations during solar cycle 24. Astronomy and Astrophysics, 2021, 645, A2.	2.1	4
765	Climate responses to SATIRE and SIM-based spectral solar forcing in a 3D atmosphere-ocean coupled GCM. Journal of Space Weather and Space Climate, 2017, 7, A11.	1.1	5
766	Complex imprint of solar variability on tree rings. Environmental Research Communications, 2020, 2, 101003.	0.9	5
767	Instrumentation for solar spectropolarimetry: state of the art and prospects. Optical Engineering, 2019, 58, 1.	0.5	29
768	Analysis of relation of Central England surface air temperature to the 11-year solar cycle. , 2018, , .		1
769	The compact spectral irradiance monitor flight demonstration mission. , 2019, , .		17
770	External forcing mechanisms controlling the North Atlantic coastal upwelling regime during the mid-Holocene. Geology, 2021, 49, 433-437.	2.0	5
771	Indications of Changing Solar Activity and North Atlantic Sea Surface Temperature in Fennoscandian Climate. Geomagnetism and Aeronomy, 2020, 60, 1159-1163.	0.2	2
772	Late-Holocene palaeoenvironments of Southern Crimea: Soils, soil-climate relationship and human impact. Holocene, 2017, 27, 1859-1875.	0.9	13
774	Harmonic Analysis of Worldwide Temperature Proxies for 2000 Years. The Open Atmospheric Science Journal, 2017, 11, 44-53.	0.5	5
775	Analysis of solar, interplanetary, and geomagnetic parameters during solar cycles 22, 23, and 24. Russian Journal of Earth Sciences, 2019, 19, 1-12.	0.2	5
776	Comparative Climatology of Terrestrial Planets. , 2013, , .		6
777	Ozone Layer Evolution in the Early 20th Century. Atmosphere, 2020, 11, 169.	1.0	9
778	On the Contribution of Quiet-Sun Magnetism to Solar Irradiance Variations: Constraints on Quiet-Sun Variability and Grand-minimum Scenarios. Astrophysical Journal, 2020, 894, 140.	1.6	17

#	ARTICLE	IF	CITATIONS
835	Solar Magnetoconvection and Small-Scale Dynamo. Space Sciences Series of ISSI, 2015, , 275-316.	0.0	1
837	No Solar Signal in Temperature Proxies from Antarctica. Atmospheric and Climate Sciences, 2015, 05, 418-425.	0.1	0
838	Lighting/Optical Discharges and Climate: A Brief Review. Earth Science India, 2017, 10, .	0.1	1
839	Space Weather Effects in the Earth's Radiation Belts. Space Sciences Series of ISSI, 2017, , 371-430.	0.0	0
841	Advances of Impact of Solar Ultraviolet Radiation on the Winter Climate of East Asia. Advances in Geosciences, 2018, 08, 422-430.	0.0	0
842	An Overview of Solar Influence on Climate. Springer Atmospheric Sciences, 2018, , 117-139.	0.4	0
843	Influence of Various Other Solar Outputs. Springer Atmospheric Sciences, 2018, , 207-212.	0.4	0
844	Manifestation and Possible Reasons of a 60-Year Climatic Cycle in Correlation Links Between Solar Activity and Lower Atmosphere Circulation. Springer Proceedings in Earth and Environmental Sciences, 2020, , 341-352.	0.2	2
845	Holocene environmental evolution recorded by multi-proxies from lacustrine sediments of the Hangbu River Valley, Lake Chaohu Basin, East China. Hupo Kexue/Journal of Lake Sciences, 2020, 32, 1869-1881.	0.3	3
846	Powerful Solar Proton Events of January 2005 and their impact on intensity of the stratospheric polar vortex. Journal of Physics: Conference Series, 2020, 1697, 012011.	0.3	0
847	The Antonine Crisis: Climate Change as a Trigger for Epidemiological and Economic Turmoil. Palgrave Studies in Ancient Economies, 2021, , 373-410.	0.5	2
848	Ozone Layer Holes, Regional Climate Change and Possible Ways for Their Forecasting. Climate Change Management, 2020, , 311-331.	0.6	3
849	Comparing the effects of solar-related and terrestrial drivers on the northern polar vortex. Journal of Space Weather and Space Climate, 2020, 10, 56.	1.1	6
850	Przyczyny zmian ziemskiego klimatu. Przegląd Geodezyjny, 2020, 1, 10-14.	0.1	0
852	Solar and Anthropogenic Influences on Climate: Regression Analysis and Tentative Predictions. Climate, 2021, 9, 163.	1.2	11
853	The Combined Effects of ENSO and Solar Activity on Mid-Winter Precipitation Anomalies Over Southern China. Frontiers in Earth Science, 2021, 9, .	0.8	3
854	On the Origin of ULF Magnetic Waves Before the Taiwan Chi-Chi 1999 Earthquake. Frontiers in Earth Science, 2021, 9, .	0.8	3
855	Optimised degradation correction for SCIAMACHY satellite solar measurements from 330 to 1600 nm by using the internal white light source. Atmospheric Measurement Techniques, 2020, 13, 3893-3907.	1.2	1

#	ARTICLE	IF	CITATIONS
856	Application to Sunspot Numbers and Total Solar Irradiance. <i>Progress in Geophysics</i> , 2021, , 205-220.	0.0	0
857	Holocene vegetation and climate change from central India: An updated and a detailed pollen-based review. , 2022, , 129-163.		7
858	Solar rotational period of cosmic rays and solar activity during the maximum phase of solar cycle 24. <i>Physica Scripta</i> , 0, , .	1.2	1
859	DENDROCHRONOLOGY AND RADIOCARBON DATING. <i>Radiocarbon</i> , 2022, 64, 569-588.	0.8	5
860	Influence of the Solar Cycle on the North Atlantic Oscillation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	1.2	13
861	Early Cretaceous solar cycles recorded in lacustrine laminations in North China. <i>Numerische Mathematik</i> , 2021, 321, 1285-1307.	0.7	5
862	Estimation of 1-km Resolution All-Sky Instantaneous Erythemal UV-B with MODIS Data Based on a Deep Learning Method. <i>Remote Sensing</i> , 2022, 14, 384.	1.8	2
863	Solar Temperature Variations Computed from SORCE SIM Irradiances Observed During 2003â€”2020. <i>Solar Physics</i> , 2022, 297, 1.	1.0	2
864	Low-Frequency Atmospheric Variability Patterns and Synoptic Types Linked to Large Floods in the Lower Ebro River Basin. <i>Journal of Climate</i> , 2022, 35, 2351-2371.	1.2	2
865	A single-peak-structured solar cycle signal in stratospheric ozone based on Microwave Limb Sounder observations and model simulations. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 903-916.	1.9	7
866	A prediction for the 25th solar cycle maximum amplitude. <i>Astronomische Nachrichten</i> , 2022, 343, .	0.6	8
867	Impact of selected teleconnection pattern on solar energy potential in different climatic zones of Nigeria. <i>IOP Conference Series: Materials Science and Engineering</i> , 2022, 1216, 012002.	0.3	0
868	SORCE and TSISâ€”1 SIM Comparison: Absolute Irradiance Scale Reconciliation. <i>Earth and Space Science</i> , 2022, 9, .	1.1	5
869	Indian summer monsoon variations during the Younger Dryas as revealed by a laminated stalagmite record from the Tibetan Plateau. <i>Quaternary Science Reviews</i> , 2022, 278, 107375.	1.4	7
870	Solar Cycle Signal in Climate and Artificial Neural Networks Forecasting. <i>Remote Sensing</i> , 2022, 14, 751.	1.8	1
871	Hydroclimatic and Glacial Variabilities in the Himalayan and Tibetan Regions Since Last Glacial Maxima: A Synthesis. <i>Springer Climate</i> , 2022, , 73-102.	0.3	1
872	Meteorological conditions for complete ice cover on Lake Mashu in Hokkaido, Japan using observational data from 1974 to 2021 and prediction of freeze-up date in February, 2021. <i>Journal of the Japanese Society of Snow and Ice</i> , 2022, 84, 65-88.	0.0	1
873	Detecting undocumented trends in solar irradiance observations. <i>Journal of Space Weather and Space Climate</i> , 2022, 12, 10.	1.1	3

#	ARTICLE	IF	CITATIONS
874	Long-range prediction and the stratosphere. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 2601-2623.	1.9	24
875	Chiral NMR analysis reveals the environmental dependence of areolal scalemization in <i>Piptothrix areolare</i> . <i>Chirality</i> , 2022, 34, 864-876.	1.3	1
876	Investigating Effects of Solar Proton Events and Forbush Decreases on Ground-Level Potential Gradient Recorded at Middle and Low Latitudes and Different Altitudes. <i>Space Weather</i> , 2022, 20, .	1.3	1
877	The impact of the QBO on the region of the tropical tropopause in QBOi models: Present-day simulations. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2022, 148, 1945-1964.	1.0	3
878	Probing the timescale dependency of local and global variations in surface air temperature from climate simulations and reconstructions of the last millennia. <i>Physical Review E</i> , 2021, 104, 064136.	0.8	5
879	Solar-type periodicities in the climate variability of Northern Fennoscandia during the last three centuries: Real influence of solar activity or natural instability in the climate system. <i>Holocene</i> , 2022, 32, 99-112.	0.9	5
880	Identifying a Fundamental Climatic Oscillation Using Wavelet Analysis of the Combined Data of Ground and Satellite Observations. <i>Izvestiya - Atmospheric and Oceanic Physics</i> , 2021, 57, 1127-1136.	0.2	2
881	Exploring the possible linkage between the precipitation and temperature over Iran and their association with the large-scale circulations: Cumulative spectral power and wavelet coherence approaches. <i>Atmospheric Research</i> , 2022, 274, 106187.	1.8	3
883	Two-way coupled meteorology and air quality models in Asia: a systematic review and meta-analysis of impacts of aerosol feedbacks on meteorology and air quality. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 5265-5329.	1.9	13
884	A Study on Possible Solar Influence on the Climate of the Southern Hemisphere. <i>Atmosphere</i> , 2022, 13, 680.	1.0	3
885	First fluvial archive of the 8.2 and 7.6-7.3 ka events in North Africa (Charef River, High Plateaus, NE) <i>Tj ETQq0 0 0 rgBT /Overlock 10 T</i>	1.6	4
886	Exploring possibilities for solar irradiance prediction from solar photosphere images using recurrent neural networks. <i>Journal of Space Weather and Space Climate</i> , 2022, 12, 19.	1.1	3
888	Statistical associations between geomagnetic activity, solar wind, solar proton events, and winter NAO and AO indices. <i>Earth and Space Science</i> , 0, , .	1.1	0
889	Insight into summer drought in southern Italy: palaeohydrological evolution of Lake Pergusa (Sicily) in the last 6700 years. <i>Journal of Quaternary Science</i> , 2022, 37, 1280-1293.	1.1	3
891	Climatic, weather, and socio-economic conditions corresponding to the mid-17th-century eruption cluster. <i>Climate of the Past</i> , 2022, 18, 1083-1108.	1.3	11
892	Exploration of the stratosphere with cosmic-ray muons detected underground. <i>Physical Review Research</i> , 2022, 4, .	1.3	4
893	Disentangling the Medieval Climatic Anomaly in Patagonia and its impact on human societies. <i>Holocene</i> , 2022, 32, 866-883.	0.9	3
894	Unknown effects of daily-scale solar activity on the plant growth: Data from six-year growth monitoring of <i>Sphagnum riparium</i> . <i>Physiologia Plantarum</i> , 0, , .	2.6	1

#	ARTICLE	IF	CITATIONS
895	The Sun's role in decadal climate predictability in the North Atlantic. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 7893-7904.	1.9	9
896	The Overlooked Role of the Stratosphere Under a Solar Constant Reduction. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	4
897	The combined influences of Solar Radiation and PDO on Precipitation over Eastern China during the last millennium. <i>Climate Dynamics</i> , 2023, 60, 1137-1150.	1.7	10
898	Contributions of internal climate variability in driving global and ocean temperature variations using multi-layer perceptron neural network. <i>Advances in Climate Change Research</i> , 2022, 13, 459-472.	2.1	1
899	Development of a Balloon-Borne Acoustic Anemometer to Measure Winds for SENSOR Campaign. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022, 71, 1-10.	2.4	0
900	The March 2012 Heat Wave in Northeast America as a Possible Effect of Strong Solar Activity and Unusual Space Plasma Interactions. <i>Atmosphere</i> , 2022, 13, 926.	1.0	4
901	Influence of long-term changes in solar irradiance forcing on the Southern Annular Mode. <i>Climate of the Past</i> , 2022, 18, 1509-1528.	1.3	4
902	Fire history and its forcing in Northeastern Asia boreal forests. <i>Natural Hazards Research</i> , 2022, 2, 166-171.	2.0	4
903	Wind regime changes in the Euro-Atlantic region driven by Late-Holocene Grand Solar Minima. <i>Climate Dynamics</i> , 2023, 60, 1947-1961.	1.7	1
904	Periodic analysis of forest fire numbers and sunspot numbers in TÃ¼rkiye. , 0, , .		0
905	Climate and ecology changes during the last deglaciation revealed by stalagmite from Shima Cave, central China. <i>Quaternary International</i> , 2022, 637, 12-20.	0.7	1
906	Triskeles and Symmetries of Mean Global Sea-Level Pressure. <i>Atmosphere</i> , 2022, 13, 1354.	1.0	7
907	The effect of DC electric field on the elongation growth, proton extrusion and membrane potential of <i>Zea mays</i> L. coleoptile cells; a laboratory study. <i>BMC Plant Biology</i> , 2022, 22, .	1.6	0
908	Long-Term Variability of Summer Temperature in the Southern Part of South Americaâ€”Is There a Connection with Changes in Solar Activity?. <i>Atmosphere</i> , 2022, 13, 1360.	1.0	1
909	Evidence for a Relatively Warm Midâ€”to Late Holocene on the Southeastern Tibetan Plateau. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	13
910	Role of solar activity and Pacific decadal oscillation in the hydroclimatic patterns of eastern China over the past millennium. <i>Global and Planetary Change</i> , 2022, 216, 103905.	1.6	2
911	Palynology-based reconstruction of Holocene environmental history in the northern Yangtze Delta, China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2022, 603, 111186.	1.0	8
912	Did Schwabe cycles 19â€”24 influence the ENSO events, PDO, and AMO indexes in the Pacific and Atlantic Oceans?. <i>Global and Planetary Change</i> , 2022, 217, 103928.	1.6	1

#	ARTICLE	IF	CITATIONS
913	Sulfur-isotope anomalies recorded in Antarctic ice cores as a potential proxy for tracing past ozone layer depletion events. , 2022, 1, .		4
914	Sun CubE OnE: A multi-wavelength synoptic solar micro satellite. <i>Advances in Space Research</i> , 2022, , .	1.2	0
915	The Influence of Solar Activity on Snow Cover over the Qinghaiâ€“Tibet Plateau and Its Mechanism Analysis. <i>Atmosphere</i> , 2022, 13, 1499.	1.0	1
916	Energy dependent response of the dayside Martian ionospheric electrons to solar forcing. <i>Icarus</i> , 2022, , 115269.	1.1	0
917	The history of climate and society: a review of the influence of climate change on the human past. <i>Environmental Research Letters</i> , 2022, 17, 103001.	2.2	13
918	Attribution of multi-annual to decadal changes in the climate system: The Large Ensemble Single Forcing Model Intercomparison Project (LESFMIP). <i>Frontiers in Climate</i> , 0, 4, .	1.3	11
919	Total Solar Irradiance during the Last Five Centuries. <i>Astrophysical Journal</i> , 2022, 937, 84.	1.6	10
920	Physics in the mesosphere/lower thermosphere: A personal perspective. <i>Frontiers in Astronomy and Space Sciences</i> , 0, 9, .	1.1	2
921	Timing and Structure of 10.9 and 10.3 ka BP Events Revealed by Annually Laminated Stalagmite Records From Shihua Cave, Northern China. <i>Paleoceanography and Paleoclimatology</i> , 2022, 37, .	1.3	3
922	Role of Stable Isotopes in Climate Studies â€“ A Multi-archive Approach Focusing on Holocene to Anthropocene Records. <i>Disaster Resilience and Green Growth</i> , 2022, , 121-142.	0.2	0
923	Endâ€“member mixing analysis (EMMA) as a tool for the detection of major storms in lake sediment records. <i>Paleoceanography and Paleoclimatology</i> , 0, , .	1.3	1
924	On the Origin of the Solar Cycle Modulation of the Winter North Atlantic Oscillation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	1.2	0
925	Holocene hydrological history of a Tibetan glacier-fed lake Taro Co in response to climate change. <i>Catena</i> , 2023, 220, 106686.	2.2	4
926	Solar Signature in Climate Indices. <i>Atmosphere</i> , 2022, 13, 1898.	1.0	2
927	Ozone impact from solar energetic particles cools the polar stratosphere. <i>Nature Communications</i> , 2022, 13, .	5.8	5
928	Full-disc Ca ii K observationsâ€“A window to past solar magnetism. <i>Frontiers in Astronomy and Space Sciences</i> , 0, 9, .	1.1	13
929	Impact of climate change on water quality and its assessment. , 2023, , 39-54.		0
930	Rome Precision Solar Photometric Telescope: precision solar full-disk photometry during solar cycles 23â€“25. <i>Frontiers in Astronomy and Space Sciences</i> , 0, 9, .	1.1	5

#	ARTICLE	IF	CITATIONS
950	Detection of a mid-Holocene climate event at 7.2Âka BP based on an analysis of globally-distributed multi-proxy records. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2023, 618, 111525.	1.0	3
951	Cyclicity related to solar activity in lacustrine organic-rich shales and their significance to shale-oil reservoir formation. <i>Geoscience Frontiers</i> , 2023, 14, 101586.	4.3	1
952	Climate Responses Under an Extreme Quiet Sun Scenario. <i>Journal of Geophysical Research D: Atmospheres</i> , 2023, 128, .	1.2	2
953	Climate implications of the sun transition to higher activity mode. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2023, 244, 106020.	0.6	0
954	Application of Solar Activity Time Series in Machine Learning Predictive Modeling of Precipitation-Induced Floods. <i>Mathematics</i> , 2023, 11, 795.	1.1	1
955	Long-Term Prediction of Sudden Stratospheric Warmings With Geomagnetic and Solar Activity. <i>Journal of Geophysical Research D: Atmospheres</i> , 2023, 128, .	1.2	1
956	Revisiting the Holocene global temperature conundrum. <i>Nature</i> , 2023, 614, 425-435.	13.7	35
957	Solar wind plasma variations with interplanetary magnetic field during solar cycles 22-24. <i>Journal of Astrophysics and Astronomy</i> , 2023, 44, .	0.4	0
958	The influence of solar-modulated regional circulations and galactic cosmic rays on global cloud distribution. <i>Scientific Reports</i> , 2023, 13, .	1.6	7
959	Combined effect of the solar activity and ENSO on the tropical cyclone genesis frequency in the southeastern part of the western North Pacific. <i>Frontiers in Earth Science</i> , 0, 11, .	0.8	1
960	Modulation of the solar activity on the connection between the NAO and the tropical pacific SST variability. <i>Frontiers in Earth Science</i> , 0, 11, .	0.8	0
961	Influence of Climatic Trends and Cycles on Varve Deposition in Crawford Lake, Ontario, Canada. <i>Geosciences (Switzerland)</i> , 2023, 13, 87.	1.0	1
962	Solar activity-climate relations during solar cycle 24. <i>IOP Conference Series: Earth and Environmental Science</i> , 2023, 1151, 012022.	0.2	0
963	A 2600-yr multiproxy record for climate and vegetation reconstruction along the Mahanadi River delta, east coast of India. <i>Holocene</i> , 2023, 33, 860-879.	0.9	0
968	A history of solar activity over millennia. <i>Living Reviews in Solar Physics</i> , 2023, 20, .	7.8	25
988	LIVSQ-SAT/INSPIRESat-5 Earth observation CubeSat: from mission design to operations. , 2023, , 693-766.		0
1007	Seasonal Analysis of Silicon Photovoltaic Technology Module. , 0, , .		0