

Konstantinos Varotsos

List of Publications by Year in descending order

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308
papers

8,985
citations

17405

63
h-index

58464

82
g-index

346
all docs

346
docs citations

346
times ranked

3227
citing authors

#	ARTICLE	IF	CITATIONS
1	The southern hemisphere ozone hole split in 2002. <i>Environmental Science and Pollution Research</i> , 2002, 9, 375-376.	2.7	235
2	Scaling properties of air pollution in Athens, Greece and Baltimore, Maryland. <i>Atmospheric Environment</i> , 2005, 39, 4041-4047.	1.9	194
3	Observational evidence for chemical ozone depletion over the Arctic in winter 1991-1992. <i>Nature</i> , 1995, 375, 131-134.	13.7	178
4	Long-memory processes in ozone and temperature variations at the region 60° S-60° N. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 4093-4100.	1.9	170
5	Atmospheric greenhouse effect in the context of global climate change. <i>Il Nuovo Cimento Della Societ� Italiana Di Fisica C</i> , 1995, 18, 123-151.	0.2	139
6	Deposition measurement of particulate matter in connection with corrosion studies. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 384, 1320-1330.	1.9	134
7	Power-law correlations in column ozone over Antarctica. <i>International Journal of Remote Sensing</i> , 2005, 26, 3333-3342.	1.3	131
8	Geophysical validation of MIPAS-ENVISAT operational ozone data. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 4807-4867.	1.9	130
9	Technical Note: Long-term memory effect in the atmospheric CO ₂ concentration at Mauna Loa. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 629-634.	1.9	127
10	Long-range persistence in global Aerosol Index dynamics. <i>International Journal of Remote Sensing</i> , 2006, 27, 3593-3603.	1.3	123
11	What is the lesson from the unprecedented event over antarctica in 2002. <i>Environmental Science and Pollution Research</i> , 2003, 10, 80-81.	2.7	119
12	Airborne measurements of aerosol, ozone, and solar ultraviolet irradiance in the troposphere. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	109
13	Nitric acid measurements in connection with corrosion studies. <i>Atmospheric Environment</i> , 2005, 39, 6664-6672.	1.9	107
14	In situ measurements of stratospheric ozone depletion rates in the Arctic winter 1991/1992: A Lagrangian approach. <i>Journal of Geophysical Research</i> , 1998, 103, 5843-5853.	3.3	102
15	On the seasonal variation of the surface ozone in Athens, Greece. <i>Atmospheric Environment</i> , 2001, 35, 315-320.	1.9	102
16	The Long-Term Coupling between Column Ozone and Tropopause Properties. <i>Journal of Climate</i> , 2004, 17, 3843-3854.	1.2	98
17	Tropospheric aerosol forcing of climate: a case study for the greater area of Greece. <i>International Journal of Remote Sensing</i> , 2008, 29, 2507-2517.	1.3	95
18	Satellite Images for Monitoring Mangrove Cover Changes in a Fast Growing Economic Region in Southern Peninsular Malaysia. <i>Remote Sensing</i> , 2015, 7, 14360-14385.	1.8	95

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19	An overview of small satellites in remote sensing. <i>International Journal of Remote Sensing</i> , 2008, 29, 4285-4337.	1.3	94
20	Surface ozone in Athens, Greece, at the beginning and at the end of the twentieth century. <i>Atmospheric Environment</i> , 1994, 28, 3-8.	1.9	89
21	Further evidence of the role of air pollution on solar ultraviolet radiation reaching the ground. <i>International Journal of Remote Sensing</i> , 1995, 16, 1883-1886.	1.3	89
22	On the longitude dependence of total ozone trends over middle-latitudes. <i>International Journal of Remote Sensing</i> , 2003, 24, 1361-1367.	1.3	85
23	Global total ozone dynamics. <i>Environmental Science and Pollution Research</i> , 1996, 3, 205-209.	2.7	84
24	Global tropospheric ozone dynamics. <i>Environmental Science and Pollution Research</i> , 2001, 8, 57-62.	2.7	83
25	Erythemally weighted UV trends over northern latitudes derived from Nimbus 7 TOMS measurements. <i>Journal of Geophysical Research</i> , 2000, 105, 7373-7382.	3.3	82
26	Editorial and cover: Fifty years after the first artificial satellite: from Sputnik 1 to ENVISAT. <i>International Journal of Remote Sensing</i> , 2007, 28, 2071-2072.	1.3	82
27	Subject area 3: Atmospheric chemistry and physics. <i>Environmental Science and Pollution Research</i> , 2007, 14, 384-387.	2.7	82
28	New aspects of global climate-dynamics research and remote sensing. <i>International Journal of Remote Sensing</i> , 2011, 32, 579-600.	1.3	82
29	The mid-latitude total ozone trends in the northern hemisphere. <i>Geophysical Research Letters</i> , 1996, 23, 555-558.	1.5	81
30	Global tropospheric ozone dynamics. <i>Environmental Science and Pollution Research</i> , 2001, 8, 113-119.	2.7	80
31	New features observed in the 11-year solar cycle. <i>International Journal of Remote Sensing</i> , 2004, 25, 2141-2157.	1.3	80
32	An estimation of the surface solar ultraviolet irradiance during an extreme total ozone minimum. <i>Meteorology and Atmospheric Physics</i> , 1998, 68, 171-176.	0.9	79
33	On the altitude dependence of the temperature scaling behaviour at the global troposphere. <i>International Journal of Remote Sensing</i> , 2010, 31, 343-349.	1.3	79
34	Effects of Air Pollution on Materials and Cultural Heritage: ICP Materials Celebrates 25 Years of Research. <i>International Journal of Corrosion</i> , 2012, 2012, 1-16.	0.6	79
35	Re-evaluation of surface ozone over Athens, Greece, for the period 1901-1940. <i>Atmospheric Research</i> , 1991, 26, 303-310.	1.8	78
36	Volcanic eruptions and global ozone dynamics. <i>International Journal of Remote Sensing</i> , 1995, 16, 1887-1895.	1.3	78

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37	On the relationship between total ozone and solar ultraviolet radiation at St. Petersburg, Russia. <i>Geophysical Research Letters</i> , 1995, 22, 3481-3484.	1.5	78
38	New evidence for ozone depletion over Athens, Greece. <i>International Journal of Remote Sensing</i> , 2000, 21, 2951-2955.	1.3	78
39	Ozone depletion over Scotland as derived from Nimbus-7 TOMS measurements. <i>International Journal of Remote Sensing</i> , 1994, 15, 2659-2668.	1.3	77
40	Association of the Laminated Vertical Ozone Structure with the Lower-Stratospheric Circulation. <i>Journal of Applied Meteorology and Climatology</i> , 1994, 33, 473-476.	1.7	77
41	Surface solar ultraviolet radiation: A theoretical approach of the SUVR reaching the ground in Athens, Greece. <i>Environmental Science and Pollution Research</i> , 1997, 4, 69-73.	2.7	77
42	On the scaling effect in global surface air temperature anomalies. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 5243-5253.	1.9	77
43	Review article - Remote sensing and global tropospheric ozone observed dynamics. <i>International Journal of Remote Sensing</i> , 2002, 23, 159-178.	1.3	75
44	Intrinsic properties of Sahel precipitation anomalies and rainfall. <i>Theoretical and Applied Climatology</i> , 2012, 109, 627-633.	1.3	75
45	Three years of total ozone measurements over Athens obtained using the remote sensing technique of a Dobson spectrophotometer. <i>International Journal of Remote Sensing</i> , 1994, 15, 1519-1524.	1.3	74
46	Distribution of ozone laminae during EASOE and the possible influence of inertia-gravity waves. <i>Geophysical Research Letters</i> , 1994, 21, 1479-1482.	1.5	74
47	Global total ozone dynamics. <i>Environmental Science and Pollution Research</i> , 1996, 3, 153-157.	2.7	74
48	Possible impact of polar stratospheric processes on mid-latitude vertical ozone distributions. <i>International Journal of Remote Sensing</i> , 1995, 16, 1839-1850.	1.3	73
49	Aircraft observations of the solar ultraviolet irradiance throughout the troposphere. <i>Journal of Geophysical Research</i> , 2001, 106, 14843-14854.	3.3	73
50	The enhanced deterioration of the cultural heritage monuments due to air pollution. <i>Environmental Science and Pollution Research</i> , 2009, 16, 590-592.	2.7	73
51	The present status of the total ozone depletion over Greece and Scotland: a comparison between Mediterranean and more northerly latitudes. <i>International Journal of Remote Sensing</i> , 1995, 16, 1751-1763.	1.3	72
52	Atmospheric turbidity parameters in the highly polluted site of Athens basin. <i>Renewable Energy</i> , 1994, 4, 465-470.	4.3	71
53	Atmospheric ozone variability in the context of global change. <i>International Journal of Remote Sensing</i> , 1995, 16, 1851-1881.	1.3	71
54	Impacts of the solar eclipse of 29 March 2006 on the surface ozone concentration, the solar ultraviolet radiation and the meteorological parameters at Athens, Greece. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 425-430.	1.9	71

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55	Comment on connections between the 11-year solar cycle, the Q.B.O. and total ozone. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1989, 51, 367-370.	0.9	70
56	Atmospheric Ozone Trends and Other Factors of Surface Ultraviolet Radiation Variability. <i>Environmental Conservation</i> , 1995, 22, 259-261.	0.7	70
57	Long-term variation in surface ozone and its precursors in Athens, Greece. <i>Environmental Science and Pollution Research</i> , 2003, 10, 19-23.	2.7	70
58	Total ozone amount trend at St Petersburg as deduced from Nimbus-7 TOMS observations. <i>International Journal of Remote Sensing</i> , 1994, 15, 2669-2677.	1.3	69
59	The extraordinary events of the major, sudden stratospheric warming, the diminutive antarctic ozone hole, and its split in 2002. <i>Environmental Science and Pollution Research</i> , 2004, 11, 405-411.	2.7	69
60	Ozone depletion over Greece as deduced from Nimbus-7 TOMS measurements. <i>International Journal of Remote Sensing</i> , 1993, 14, 2053-2059.	1.3	68
61	Solar ultraviolet radiation and total ozone, as derived from satellite and ground-based instrumentation. <i>Geophysical Research Letters</i> , 1994, 21, 1787-1790.	1.5	68
62	Recent trends of the total column ozone: implications for the Mediterranean region. <i>International Journal of Remote Sensing</i> , 1995, 16, 1765-1769.	1.3	68
63	Scaling behaviour of the global tropopause. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 677-683.	1.9	67
64	Point defect parameters of LiF. <i>Journal of Physics C: Solid State Physics</i> , 1985, 18, 3891-3895.	1.5	66
65	Arctic ozone loss in threshold conditions: Match observations in 1997/1998 and 1998/1999. <i>Journal of Geophysical Research</i> , 2001, 106, 7495-7503.	3.3	66
66	New Ecoinformatics Tools in Environmental Science. , 2015, , .		65
67	Title is missing!. <i>Journal of Atmospheric Chemistry</i> , 1998, 30, 187-207.	1.4	64
68	Match observations in the Arctic winter 1996/97: High stratospheric ozone loss rates correlate with low temperatures deep inside the polar vortex. <i>Geophysical Research Letters</i> , 2000, 27, 205-208.	1.5	62
69	Modern Computational Techniques for Environmental Data; Application to the Global Ozone Layer. <i>Lecture Notes in Computer Science</i> , 2005, , 504-510.	1.0	60
70	On the altitude dependence of solar effective UV. <i>Physics and Chemistry of the Earth, Part C: Solar, Terrestrial and Planetary Science</i> , 1999, 24, 515-517.	0.2	59
71	Atmospheric pollution and remote sensing: implications for the southern hemisphere ozone hole split in 2002 and the northern mid-latitude ozone trend. <i>Advances in Space Research</i> , 2004, 33, 249-253.	1.2	57
72	New features of land and sea surface temperature anomalies. <i>International Journal of Remote Sensing</i> , 2011, 32, 3231-3238.	1.3	57

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73	On the corrosion and soiling effects on materials by air pollution in Athens, Greece. Atmospheric Chemistry and Physics, 2011, 11, 12039-12048.	1.9	57
74	On the progress of the 2015–2016 El Niño event. Atmospheric Chemistry and Physics, 2016, 16, 2007-2011.	1.9	56
75	An observational study of the atmospheric ultra-fine particle dynamics. Atmospheric Environment, 2012, 59, 312-319.	1.9	54
76	A new model for the spread of COVID-19 and the improvement of safety. Safety Science, 2020, 132, 104962.	2.6	52
77	Comments on “The Temperature and Pressure Dependence of Disaccommodation in a Manganese Zinc Ferrite Single Crystal”. Japanese Journal of Applied Physics, 1985, 24, 781-781.	0.8	50
78	Nitric acid and particulate matter measurements at Athens, Greece, in connection with corrosion studies. Atmospheric Chemistry and Physics, 2009, 9, 8309-8316.	1.9	49
79	A Fuzzy Model of Risk Assessment for Environmental Start-Up Projects in the Air Transport Sector. International Journal of Environmental Research and Public Health, 2019, 16, 3573.	1.2	49
80	On the limits of the air pollution predictability: the case of the surface ozone at Athens, Greece. Environmental Science and Pollution Research, 2012, 19, 295-300.	2.7	43
81	On the plausible association between environmental conditions and human eye damage. Environmental Science and Pollution Research, 2002, 9, 163-165.	2.7	42
82	Evidence for two abrupt warming events of SST in the last century. Theoretical and Applied Climatology, 2014, 116, 51-60.	1.3	42
83	Simulation results from a coupled model of carbon dioxide and methane global cycles. Ecological Modelling, 2017, 359, 69-79.	1.2	42
84	The exceptional ozone depletion over the Arctic in January–March 2011. Remote Sensing Letters, 2012, 3, 343-352.	0.6	41
85	A new tool for the study of the ozone hole dynamics over Antarctica. Atmospheric Environment, 2012, 47, 428-434.	1.9	40
86	Scaling regimes and linear/nonlinear responses of last millennium climate to volcanic and solar forcings. Earth System Dynamics, 2016, 7, 133-150.	2.7	40
87	An experimental study of nighttime air-pollutant transport over complex terrain in Athens. Atmospheric Environment Part B Urban Atmosphere, 1992, 26, 59-71.	0.5	39
88	Global Ecodynamics. , 2004, , .		39
89	The development of remote sensing in the last 40 years. International Journal of Remote Sensing, 2018, 39, 8387-8427.	1.3	37
90	Modelling the CO2 atmosphere-ocean flux in the upwelling zones using radiative transfer tools. Journal of Atmospheric and Solar-Terrestrial Physics, 2016, 150-151, 47-54.	0.6	36

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91	A new big data approach based on geocological information-modeling system. <i>Big Earth Data</i> , 2017, 1, 47-63.	2.0	36
92	An adaptive information technology for the operative diagnostics of the tropical cyclones; solar-terrestrial coupling mechanisms. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2012, 89, 83-89.	0.6	35
93	Pollution of Arctic Waters Has Reached a Critical Point: an Innovative Approach to This Problem. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	1.1	35
94	New spectral functions of the near-ground albedo derived from aircraft diffraction spectrometer observations. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 6953-6965.	1.9	34
95	The Earth's Population Can Reach 14 Billion in the 23rd Century without Significant Adverse Effects on Survivability. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 885.	1.2	32
96	On the 11 year solar cycle signature in global total ozone dynamics. <i>Meteorological Applications</i> , 2013, 20, 72-79.	0.9	31
97	A Novel Approach to Monitoring the Quality of Lakes Water by Optical and Modeling Tools: Lake Sevan as a Case Study. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	31
98	Remote Sensing Letters contribution to the success of the Sustainable Development Goals - UN 2030 agenda. <i>Remote Sensing Letters</i> , 2020, 11, 715-719.	0.6	31
99	A new modeling tool for the diffusion of gases in ice or amorphous binary mixture in the polar stratosphere and the upper troposphere. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 3099-3105.	1.9	30
100	Signature of tropospheric ozone and nitrogen dioxide from space: A case study for Athens, Greece. <i>Atmospheric Environment</i> , 2014, 89, 721-730.	1.9	29
101	New Optical Tools for Water Quality Diagnostics. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	1.1	29
102	A New Monitoring System for the Surface Marine Anomalies. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	1.1	28
103	The Signature of the Coronavirus Lockdown in Air Pollution in Greece. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 119.	1.1	27
104	The global signature of the ENSO and SST-like fields. <i>Theoretical and Applied Climatology</i> , 2013, 113, 197-204.	1.3	26
105	A sequential analysis method for the prediction of tropical hurricanes. <i>International Journal of Remote Sensing</i> , 2008, 29, 2787-2798.	1.3	25
106	Diagnostic model for the society safety under COVID-19 pandemic conditions. <i>Safety Science</i> , 2021, 136, 105164.	2.6	25
107	Scaling effect in planetary waves over Antarctica. <i>International Journal of Remote Sensing</i> , 2008, 29, 2697-2704.	1.3	24
108	Is there any long-term memory effect in the tropical cyclones?. <i>Theoretical and Applied Climatology</i> , 2013, 114, 643-650.	1.3	24

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109	On the scaling of the solar incident flux. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 7301-7306.	1.9	23
110	A New Passive Microwave Tool for Operational Forest Fires Detection: A Case Study of Siberia in 2019. <i>Remote Sensing</i> , 2020, 12, 835.	1.8	23
111	On the accuracy of total ozone measurements made with a Dobson spectrophotometer in Athens. <i>International Journal of Remote Sensing</i> , 1994, 15, 3279-3283.	1.3	22
112	Paleoecological and recent data show a steady temporal evolution of carbon dioxide and temperature. <i>Atmospheric Pollution Research</i> , 2020, 11, 714-722.	1.8	22
113	Thessaloniki '91 field measurement campaign"II. Ozone formation in the greater Thessaloniki area. <i>Atmospheric Environment</i> , 1997, 31, 1115-1126.	1.9	21
114	1/f noise in the UV solar spectral irradiance. <i>Theoretical and Applied Climatology</i> , 2013, 111, 641-648.	1.3	21
115	Precursory signals of the major El Niño Southern Oscillation events. <i>Theoretical and Applied Climatology</i> , 2016, 124, 903-912.	1.3	21
116	The deterioration of materials as a result of air pollution as derived from satellite and ground based observations. <i>Atmospheric Environment</i> , 2018, 185, 91-99.	1.9	20
117	3-D reconstruction of coastal bathymetry from AIRSAR/POLSAR data. <i>Chinese Journal of Oceanology and Limnology</i> , 2009, 27, 117-123.	0.7	19
118	Modeling the carbon and nitrogen cycles. <i>Frontiers in Environmental Science</i> , 2014, 2, .	1.5	19
119	Impacts of air pollution and climate on materials in Athens, Greece. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 439-448.	1.9	19
120	Monitoring and forecasting of tropical cyclones: A new information-modeling tool to reduce the risk. <i>International Journal of Disaster Risk Reduction</i> , 2019, 36, 101088.	1.8	19
121	Atmospheric ozone concentration at Athens, Greece. Part II: Vertical ozone distribution in the troposphere. <i>Atmospheric Research</i> , 1993, 30, 151-155.	1.8	18
122	3-D visualizations of coastal bathymetry by utilization of airborne TOPSAR polarized data. <i>International Journal of Digital Earth</i> , 2010, 3, 187-206.	1.6	18
123	COVID-19 pandemic decision support system for a population defense strategy and vaccination effectiveness. <i>Safety Science</i> , 2021, 142, 105370.	2.6	18
124	Quasi-stationary planetary waves and temperature reference atmosphere. <i>Meteorology and Atmospheric Physics</i> , 1987, 37, 297-299.	0.9	17
125	Plausible reasons for the inconsistencies between the modeled and observed temperatures in the tropical troposphere. <i>Geophysical Research Letters</i> , 2013, 40, 4906-4910.	1.5	17
126	The Dependence of the Soil Microwave Attenuation on Frequency and Water Content in Different Types of Vegetation: an Empirical Model. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	1.1	17

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127	Synergy of Active and Passive Remote Sensing Data for Effective Mapping of Oil Palm Plantation in Malaysia. <i>Forests</i> , 2020, 11, 858.	0.9	17
128	Nowcasting of air pollution episodes in megacities: A case study for Athens, Greece. <i>Atmospheric Pollution Research</i> , 2021, 12, 101099.	1.8	17
129	A complex study of Etna's volcanic plume from ground-based, in situ and spaceborne observations. <i>International Journal of Remote Sensing</i> , 2006, 27, 1855-1864.	1.3	16
130	On the effects of aviation on carbon-methane cycles and climate change during the period 2015-2100. <i>Atmospheric Pollution Research</i> , 2021, 12, 184-194.	1.8	16
131	Optical Spectral Tools for Diagnosing Water Media Quality: A Case Study on the Angara/Yenisey River System in the Siberian Region. <i>Land</i> , 2021, 10, 342.	1.2	16
132	A new parameterization of the integral ozone transmission. <i>Solar Energy</i> , 1996, 56, 573-581.	2.9	15
133	The Antarctic 2006 ozone hole. <i>International Journal of Remote Sensing</i> , 2007, 28, 1-2.	1.3	15
134	Mission to Mars. Reliable method for liquid solutions diagnostics. <i>Frontiers in Environmental Science</i> , 2014, 2, .	1.5	15
135	The local and regional atmospheric oxidants at Athens (Greece). <i>Environmental Science and Pollution Research</i> , 2014, 21, 4430-4440.	2.7	15
136	On the association between the recent episode of the quasi-biennial oscillation and the strong El Niño event. <i>Theoretical and Applied Climatology</i> , 2018, 133, 569-577.	1.3	15
137	Has global warming already arrived?. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2019, 182, 31-38.	0.6	15
138	Operational Diagnosis of Arctic Waters with Instrumental Technology and Information Modeling. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	1.1	15
139	A simple algorithm for simulating the solar ultraviolet radiation at the Earth's surface: An application in determining the minimum erythema dose. <i>Earth, Moon and Planets</i> , 1991, 53, 191-204.	0.3	14
140	Sharp rise in hurricane and cyclone count during the last century. <i>Theoretical and Applied Climatology</i> , 2015, 119, 629-638.	1.3	14
141	Climate scaling behaviour in the dynamics of the marine interstitial ciliate community. <i>Theoretical and Applied Climatology</i> , 2016, 125, 439-447.	1.3	13
142	Modeling the state of marine ecosystems: A case study of the Okhotsk Sea. <i>Journal of Marine Systems</i> , 2019, 194, 1-10.	0.9	13
143	A New Climate Nowcasting Tool Based on Paleoclimatic Data. <i>Sustainability</i> , 2020, 12, 5546.	1.6	13
144	Remote sounding of minor constituents in the stratosphere and heterogeneous reactions of gases at solid interfaces. <i>International Journal of Remote Sensing</i> , 1994, 15, 1525-1530.	1.3	12

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145	Why did a "ozone-hole" episode occur in Antarctica?. Eos, 2003, 84, 183-183.	0.1	12
146	On the association of aerosol optical depth and total ozone fluctuations with recent earthquakes in Greece. Acta Geophysica, 2017, 65, 659-665.	1.0	12
147	Future Temperature Extremes Will Be More Harmful: A New Critical Factor for Improved Forecasts. International Journal of Environmental Research and Public Health, 2019, 16, 4015.	1.2	12
148	Microwave Remote Sensing Tools in Environmental Science. , 2020, , .		12
149	The impact of air pollution in an urban area on the amount of solar ultraviolet radiation at the surface. Toxicological and Environmental Chemistry, 1992, 36, 195-203.	0.6	11
150	Sun education in Greece. Clinics in Dermatology, 1998, 16, 525-526.	0.8	11
151	Total ozone and solar ultraviolet radiation, as derived from satellite and ground-based instrumentation at Dundee, Scotland. International Journal of Remote Sensing, 1998, 19, 3301-3305.	1.3	11
152	The 20th anniversary of the Montreal Protocol and the unexplainable 60% of ozone loss. Environmental Science and Pollution Research, 2008, 15, 448-449.	2.7	11
153	A Modeling System for Monitoring Water Quality in Lagoons. Water, Air, and Soil Pollution, 2017, 228, 1.	1.1	11
154	Impacts of climate warming on atmospheric phase transition mechanisms. Theoretical and Applied Climatology, 2017, 130, 1111-1122.	1.3	11
155	Microwave polarization characteristics of snow at 6.9 and 18.7 GHz: Estimating the water content of the snow layers. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 225, 219-226.	1.1	11
156	Spatial and Temporal Variability of Tropospheric Ozone over Europe. , 1997, , 35-64.		11
157	A new method of nowcasting extreme cosmic ray events. Remote Sensing Letters, 2023, 14, 576-584.	0.6	11
158	Comment on the Elastic Constants of CaF ₂ ·SrF ₂ Mixed Crystals. Physica Status Solidi (B): Basic Research, 1985, 129, K95.	0.7	10
159	On a plausible explanation of the connection of point defect parameters with the melting point. Journal of Physics and Chemistry of Solids, 1986, 47, 79-82.	1.9	10
160	Assessment of biophysical properties of Royal Belum tropical forest, Malaysia. Singapore Journal of Tropical Geography, 2018, 39, 90-106.	0.6	10
161	Abrupt changes in global tropospheric temperature. Atmospheric Research, 2019, 217, 114-119.	1.8	10
162	Nature-society system survivability model: Simulations of the principal natural and anthropogenic processes. Environmental Development, 2017, 24, 170-178.	1.8	9

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163	Editorial Sir John Houghton. Remote Sensing Letters, 2021, 12, 364-376.	0.6	9
164	Capabilities on Remote Microwave Technologies to Assess the State of Water Systems. Water, Air, and Soil Pollution, 2022, 233, 1.	1.1	9
165	Elastic moduli of BCC V-Ti, Mo-Nb and W-Ta alloys. Journal of Physics F: Metal Physics, 1988, 18, 1133-1136.	1.6	8
166	Stratosphere-troposphere ozone exchange at Athens, Greece. Toxicological and Environmental Chemistry, 1994, 44, 211-216.	0.6	8
167	Climate change problems and carbon dioxide emissions: Expecting "Rio+10". Environmental Science and Pollution Research, 2002, 9, 97-98.	2.7	8
168	The global signature of the El Niño/La Niña Southern Oscillation. International Journal of Remote Sensing, 2018, 39, 5965-5977.	1.3	8
169	Air Quality over China. Remote Sensing, 2021, 13, 3542.	1.8	8
170	Seasonal variation of upper stratospheric and lower mesospheric temperature. Archiv für Meteorologie Geophysik Und Bioklimatologie Serie B, 1986, 36, 229-238.	0.8	7
171	The contribution of remote sensing to the implementation of the Montreal Protocol and the monitoring of its success. International Journal of Remote Sensing, 2009, 30, 3853-3873.	1.3	7
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