

Alkiviadis Bais

List of Publications by Year in descending order

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229
papers

10,957
citations

36271

51
h-index

40954

93
g-index

279
all docs

279
docs citations

279
times ranked

8076
citing authors

#	ARTICLE	IF	CITATIONS
1	Design concepts for the Cherenkov Telescope Array CTA: an advanced facility for ground-based high-energy gamma-ray astronomy. <i>Experimental Astronomy</i> , 2011, 32, 193-316.	1.6	640
2	Transport impacts on atmosphere and climate: Aviation. <i>Atmospheric Environment</i> , 2010, 44, 4678-4734.	1.9	565
3	Introducing the CTA concept. <i>Astroparticle Physics</i> , 2013, 43, 3-18.	1.9	504
4	Ozone depletion and climate change: impacts on UV radiation. <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 182-198.	1.6	403
5	Changes in biologically-active ultraviolet radiation reaching the Earth's surface. <i>Photochemical and Photobiological Sciences</i> , 2007, 6, 218-231.	1.6	363
6	Changes in biologically active ultraviolet radiation reaching the Earth's surface. <i>Photochemical and Photobiological Sciences</i> , 2003, 2, 5-15.	1.6	290
7	Solar ultraviolet radiation in a changing climate. <i>Nature Climate Change</i> , 2014, 4, 434-441.	8.1	277
8	Ozone depletion and climate change: impacts on UV radiation. <i>Photochemical and Photobiological Sciences</i> , 2014, 14, 19-52.	1.6	227
9	Spectral measurements of solar UVB radiation and its relations to total ozone, SO ₂ , and clouds. <i>Journal of Geophysical Research</i> , 1993, 98, 5199-5204.	3.3	196
10	Environmental effects of ozone depletion, UV radiation and interactions with climate change: UNEP Environmental Effects Assessment Panel, update 2017. <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 127-179.	1.6	177
11	Cloud detection and classification with the use of whole-sky ground-based images. <i>Atmospheric Research</i> , 2012, 113, 80-88.	1.8	162
12	Ozone depletion, ultraviolet radiation, climate change and prospects for a sustainable future. <i>Nature Sustainability</i> , 2019, 2, 569-579.	11.5	156
13	Four-year aerosol observations with a Raman lidar at Thessaloniki, Greece, in the framework of European Aerosol Research Lidar Network (EARLINET). <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	149
14	Effect of aerosols on solar UV irradiances during the Photochemical Activity and Solar Ultraviolet Radiation campaign. <i>Journal of Geophysical Research</i> , 1998, 103, 26051-26060.	3.3	148
15	Ground-based validation of the Copernicus Sentinel-5P TROPOMI NO ₂ measurements with the NDACC ZSL-DOAS, MAX-DOAS and Pandonia global networks. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 481-510.	1.2	142
16	Forecasting peak pollutant levels from meteorological variables. <i>Atmospheric Environment</i> , 1995, 29, 3703-3711.	1.9	129
17	Validation of daily erythemal doses from Ozone Monitoring Instrument with ground-based UV measurement data. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	129
18	Ozone-climate interactions and effects on solar ultraviolet radiation. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 602-640.	1.6	126

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19	Comparison of Models Used for UV Index Calculations. <i>Photochemistry and Photobiology</i> , 1998, 67, 657-662.	1.3	122
20	Optical properties of tropospheric aerosols determined by lidar and spectrophotometric measurements (Photochemical Activity and Solar Ultraviolet Radiation campaign). <i>Applied Optics</i> , 1997, 36, 6875.	2.1	112
21	Nine years of UV aerosol optical depth measurements at Thessaloniki, Greece. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 2091-2101.	1.9	107
22	Record low total ozone during northern winters of 1992 and 1993. <i>Geophysical Research Letters</i> , 1993, 20, 1351-1354.	1.5	101
23	Satellite retrievals of erythema UV dose compared with ground-based measurements at northern and southern midlatitudes. <i>Journal of Geophysical Research</i> , 2001, 106, 24051-24062.	3.3	101
24	Solar UVB measurements with the double- and single-monochromator Brewer ozone spectrophotometers. <i>Geophysical Research Letters</i> , 1996, 23, 833-836.	1.5	100
25	SUSPEN intercomparison of ultraviolet spectroradiometers. <i>Journal of Geophysical Research</i> , 2001, 106, 12509-12525.	3.3	99
26	Environmental effects of stratospheric ozone depletion, UV radiation, and interactions with climate change: UNEP Environmental Effects Assessment Panel, Update 2020. <i>Photochemical and Photobiological Sciences</i> , 2021, 20, 1-67.	1.6	93
27	Variability of UV Irradiance in Europe. <i>Photochemistry and Photobiology</i> , 2008, 84, 172-179.	1.3	92
28	Dust impact on surface solar irradiance assessed with model simulations, satellite observations and ground-based measurements. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 2435-2453.	1.2	89
29	Deriving an effective aerosol single scattering albedo from spectral surface UV irradiance measurements. <i>Atmospheric Environment</i> , 2005, 39, 1093-1102.	1.9	86
30	Traveling reference spectroradiometer for routine quality assurance of spectral solar ultraviolet irradiance measurements. <i>Applied Optics</i> , 2005, 44, 5321.	2.1	79
31	On the relative importance of quasi-biennial oscillation and El Niño/Southern Oscillation in the revised Dobson total ozone records. <i>Journal of Geophysical Research</i> , 1992, 97, 10135-10144.	3.3	78
32	TROPOMI/S5P total ozone column data: global ground-based validation and consistency with other satellite missions. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 5263-5287.	1.2	77
33	Correcting global solar ultraviolet spectra recorded by a Brewer spectroradiometer for its angular response error. <i>Applied Optics</i> , 1998, 37, 6339.	2.1	76
34	Variability of UV-B at four stations in Europe. <i>Geophysical Research Letters</i> , 1997, 24, 1363-1366.	1.5	75
35	Projections of UV radiation changes in the 21st century: impact of ozone recovery and cloud effects. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 7533-7545.	1.9	75
36	The total solar eclipse of March 2006: overview. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 5205-5220.	1.9	74

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37	Assessment of TOMS UV bias due to absorbing aerosols. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	73
38	Ozone Monitoring Instrument spectral UV irradiance products: comparison with ground based measurements at an urban environment. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 585-594.	1.9	73
39	Simultaneous spectroradiometry: A study of solar UV irradiance at two altitudes. <i>Geophysical Research Letters</i> , 1994, 21, 2805-2808.	1.5	71
40	Quality assurance of spectral solar UV measurements: results from 25%UV monitoring sites in Europe, 2002 to 2004. <i>Metrologia</i> , 2006, 43, S66-S71.	0.6	71
41	A new approach to correct for absorbing aerosols in OMI UV. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	71
42	A note on the recent increase of Solar UV-B radiation over northern middle latitudes. <i>Geophysical Research Letters</i> , 1995, 22, 1245-1247.	1.5	69
43	Direct spectral measurements with a Brewer spectroradiometer: absolute calibration and aerosol optical depth retrieval. <i>Applied Optics</i> , 2005, 44, 1681.	2.1	64
44	Absolute spectral measurements of direct solar ultraviolet irradiance with a Brewer spectrophotometer. <i>Applied Optics</i> , 1997, 36, 5199.	2.1	63
45	Reconstructing of erythemal ultraviolet radiation levels in Europe for the past 4 decades. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	62
46	Environmental effects of ozone depletion and its interactions with climate change: Progress report, 2016. <i>Photochemical and Photobiological Sciences</i> , 2017, 16, 107-145.	1.6	62
47	Environmental effects of stratospheric ozone depletion, UV radiation and interactions with climate change: UNEP Environmental Effects Assessment Panel, update 2019. <i>Photochemical and Photobiological Sciences</i> , 2020, 19, 542-584.	1.6	59
48	Absorption cross-sections of ozone in the ultraviolet and visible spectral regions: Status report 2015. <i>Journal of Molecular Spectroscopy</i> , 2016, 327, 105-121.	0.4	57
49	Comparative assessment of TROPOMI and OMI formaldehyde observations and validation against MAX-DOAS network column measurements. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 12561-12593.	1.9	57
50	Study of the effect of different type of aerosols on UV-B radiation from measurements during EARLINET. <i>Atmospheric Chemistry and Physics</i> , 2004, 4, 307-321.	1.9	56
51	Role of urban and suburban aerosols on solar UV radiation over Athens, Greece. <i>Atmospheric Environment</i> , 1998, 32, 2193-2201.	1.9	54
52	The effect of clouds on surface solar irradiance, based on data from an all-sky imaging system. <i>Renewable Energy</i> , 2016, 95, 314-322.	4.3	54
53	Comparison of measured and modelled uv indices for the assessment of health risks. <i>Meteorological Applications</i> , 2001, 8, 267-277.	0.9	53
54	Further studies on possible volcanic signal to the ozone layer. <i>Journal of Geophysical Research</i> , 1994, 99, 25741.	3.3	52

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55	Photolysis frequency of NO ₂ : Measurement and modeling during the International Photolysis Frequency Measurement and Modeling Intercomparison (IPMMI). <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	52
56	UV Index monitoring in Europe. <i>Photochemical and Photobiological Sciences</i> , 2017, 16, 1349-1370.	1.6	52
57	Intercomparison of NO ₂ , O ₃ , and HCHO slant column measurements by MAX-DOAS and zenith-sky UV ^a visible spectrometers during CINDI-2. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 2169-2208.	1.2	52
58	Spatial and temporal UV irradiance and aerosol variability within the area of an OMI satellite pixel. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 4593-4601.	1.9	51
59	Skin Cancer Risks Avoided by the Montreal Protocol—Worldwide Modeling Integrating Coupled Climate—Chemistry Models with a Risk Model for <sc>UV</sc>. <i>Photochemistry and Photobiology</i> , 2013, 89, 234-246.	1.3	50
60	Changes in surface solar UV irradiances and total ozone during the solar eclipse of August 11, 1999. <i>Journal of Geophysical Research</i> , 2000, 105, 26463-26473.	3.3	48
61	Monitoring of UV spectral irradiance at Thessaloniki (1990—2005): data re-evaluation and quality control. <i>Annales Geophysicae</i> , 2006, 24, 3215-3228.	0.6	48
62	Evidence of gravity waves into the atmosphere during the March 2006 total solar eclipse. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 4943-4951.	1.9	48
63	Environmental effects of ozone depletion and its interactions with climate change: progress report, 2015. <i>Photochemical and Photobiological Sciences</i> , 2016, 15, 141-174.	1.6	48
64	International Photolysis Frequency Measurement and Model Intercomparison (IPMMI): Spectral actinic solar flux measurements and modeling. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	47
65	Spectral actinic flux in the lower troposphere: measurement and 1-D simulations for cloudless, broken cloud and overcast situations. <i>Atmospheric Chemistry and Physics</i> , 2005, 5, 1975-1997.	1.9	47
66	Environmental effects of ozone depletion and its interactions with climate change: progress report, 2009. <i>Photochemical and Photobiological Sciences</i> , 2010, 9, 275-294.	1.6	47
67	Environmental effects of ozone depletion and its interactions with climate change: progress report, 2011. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 13-27.	1.6	47
68	Measurements and modeling of photolysis rates during the Photochemical Activity and Ultraviolet Radiation (PAUR) II campaign. <i>Journal of Geophysical Research</i> , 2002, 107, PAU 5-1.	3.3	46
69	Comparison of satellite-derived UV irradiances with ground-based measurements at four European stations. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	46
70	Success of Montreal Protocol Demonstrated by Comparing High-Quality UV Measurements with —World Avoided—Calculations from Two Chemistry-Climate Models. <i>Scientific Reports</i> , 2019, 9, 12332.	1.6	44
71	Changes in surface UV solar irradiance and ozone over the balkans during the eclipse of August 11, 1999. <i>Advances in Space Research</i> , 2001, 27, 1955-1963.	1.2	43
72	Possibilities to detect trends in spectral UV irradiance. <i>Theoretical and Applied Climatology</i> , 2005, 81, 33-44.	1.3	43

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73	Signs of a negative trend in the MODIS aerosol optical depth over the Southern Balkans. <i>Atmospheric Environment</i> , 2010, 44, 1219-1228.	1.9	43
74	Short- and long-term variability of spectral solar UV irradiance at Thessaloniki, Greece: effects of changes in aerosols, total ozone and clouds. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 2493-2505.	1.9	43
75	Comparisons of ground-based tropospheric NO ₂ ; MAX-DOAS measurements to satellite observations with the aid of an air quality model over the Thessaloniki area, Greece. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 5829-5849.	1.9	43
76	Measuring Spectral Actinic Flux and Irradiance: Experimental Results from the Actinic Flux Determination from Measurements of Irradiance (ADMIRA) Project. <i>Journal of Atmospheric and Oceanic Technology</i> , 2002, 19, 1049-1062.	0.5	41
77	Clear sky UV simulations for the 21st century based on ozone and temperature projections from Chemistry-Climate Models. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 1165-1172.	1.9	40
78	Evaluation of WRF shortwave radiation parameterizations in predicting Global Horizontal Irradiance in Greece. <i>Renewable Energy</i> , 2016, 86, 831-840.	4.3	40
79	Environmental effects of stratospheric ozone depletion, UV radiation, and interactions with climate change: UNEP Environmental Effects Assessment Panel, Update 2021. <i>Photochemical and Photobiological Sciences</i> , 2022, 21, 275-301.	1.6	40
80	Solar energy prediction and verification using operational model forecasts and ground-based solar measurements. <i>Energy</i> , 2015, 93, 1918-1930.	4.5	39
81	Solar UV Irradiance in a Changing Climate: Trends in Europe and the Significance of Spectral Monitoring in Italy. <i>Environments - MDPI</i> , 2020, 7, 1.	1.5	39
82	The recent UVB variability over southeastern Europe. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1995, 31, 15-19.	1.7	38
83	Quasi-biennial and longer-term changes in clear sky UV-B solar irradiance. <i>Geophysical Research Letters</i> , 1998, 25, 4345-4348.	1.5	38
84	Solar dimming and brightening over Thessaloniki, Greece, and Beijing, China. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 61, 657.	0.8	38
85	Aerosol variability over Thessaloniki using ground based remote sensing observations and the TOMS aerosol index. <i>Atmospheric Environment</i> , 2006, 40, 5367-5378.	1.9	37
86	Effects of total solar eclipse of 29 March 2006 on surface radiation. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 5775-5783.	1.9	36
87	Assessment of surface solar irradiance derived from real-time modelling techniques and verification with ground-based measurements. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 907-924.	1.2	36
88	Aerosol forcing efficiency in the UVA region from spectral solar irradiance measurements at an urban environment. <i>Annales Geophysicae</i> , 2009, 27, 2515-2522.	0.6	34
89	European intercomparison of ultraviolet spectroradiometers. <i>Environmental Technology (United Kingdom)</i> 1 0.784314 rgBT /Overlock	1.2	33
90	Retrieval of downwelling UV actinic flux density spectra from spectral measurements of global and direct solar UV irradiance. <i>Journal of Geophysical Research</i> , 2000, 105, 4857-4864.	3.3	33

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91	Photolysis frequency of O ₃ to O(1D): Measurements and modeling during the International Photolysis Frequency Measurement and Modeling Intercomparison (IPMMI). <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	33
92	Case study of UV-B modification during episodes of urban air pollution. <i>Atmospheric Environment</i> , 1998, 32, 2203-2208.	1.9	32
93	TEMIS UV product validation using NILU-UV ground-based measurements in Thessaloniki, Greece. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 7157-7174.	1.9	32
94	Intercomparison of MAX-DOAS vertical profile retrieval algorithms: studies on field data from the CINDI-2 campaign. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 1-35.	1.2	32
95	Comparisons of Spore Dosimetry and Spectral Photometry of Solar-UV Radiation at Four Sites in Japan and Europe. <i>Photochemistry and Photobiology</i> , 2000, 72, 739.	1.3	32
96	Validation of tropospheric NO ₂ column measurements of GOME-2A and OMI using MAX-DOAS and direct sun network observations. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 6141-6174.	1.2	31
97	Actinic flux determination from measurements of irradiance. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	30
98	Europe's darker atmosphere in the UV-B. <i>Photochemical and Photobiological Sciences</i> , 2008, 7, 925-930.	1.6	30
99	Validation of Aura-OMI QA4ECV NO ₂ climate data records with ground-based DOAS networks: the role of measurement and comparison uncertainties. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 8017-8045.	1.9	29
100	Comparison of atmospheric spectral radiance measurements from five independently calibrated systems. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 516-527.	1.6	28
101	Environmental effects of ozone depletion and its interactions with climate change: Progress report, 2008. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 13-22.	1.6	27
102	Evaluation of simulated photolysis rates and their response to solar irradiance variability. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 6066-6084.	1.2	27
103	Comparison of Model Calculations with Spectral UV Measurements during the SUSPEN Campaign: The Effect of Aerosols. <i>Journals of the Atmospheric Sciences</i> , 2001, 58, 1529-1539.	0.6	26
104	Factors affecting short- and long-term changes of spectral UV irradiance at two European stations. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	26
105	Changes in tropospheric composition and air quality due to stratospheric ozone depletion This article is published as part of the United Nations Environmental Programme: Environmental effects of ozone depletion and its interactions with climate change: 2002 assessment.. <i>Photochemical and Photobiological Sciences</i> , 2003, 2, 62.	1.6	26
106	Hourly resolved cloud modification factors in the ultraviolet. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 2493-2508.	1.9	26
107	Long-term solar UV radiation reconstructed by ANN modelling with emphasis on spatial characteristics of input data. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 3107-3118.	1.9	26
108	Calculations of the human vitamin D exposure from UV spectral measurements at three European stations. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 45-51.	1.6	26

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109	Comparison of two methods for cloud flagging of spectral UV measurements. <i>Atmospheric Research</i> , 2001, 57, 31-42.	1.8	24
110	Influence of clouds on the spectral actinic flux density in the lower troposphere (INSPECTRO): overview of the field campaigns. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 1789-1812.	1.9	24
111	A study of the total atmospheric sulfur dioxide load using ground-based measurements and the satellite derived Sulfur Dioxide Index. <i>Atmospheric Environment</i> , 2009, 43, 1693-1701.	1.9	24
112	Surface ozone photolysis rate trends in the Eastern Mediterranean: Modeling the effects of aerosols and total column ozone based on Terra MODIS data. <i>Atmospheric Environment</i> , 2013, 74, 1-9.	1.9	24
113	Overview and conclusions of the International Photolysis Frequency Measurement and Modeling Intercomparison (IPMMI) study. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	23
114	Charge-coupled device spectrograph for direct solar irradiance and sky radiance measurements. <i>Applied Optics</i> , 2008, 47, 1594.	2.1	23
115	Environmental effects of ozone depletion and its interactions with climate change: Progress report, 2005. <i>Photochemical and Photobiological Sciences</i> , 2006, 5, 13-24.	1.6	22
116	Attenuation of global ultraviolet and visible irradiance over Greece during the total solar eclipse of 29 March 2006. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 5959-5969.	1.9	22
117	Retrieval of surface solar irradiance, based on satellite-derived cloud information, in Greece. <i>Energy</i> , 2015, 90, 776-783.	4.5	22
118	OMI/Aura UV product validation using NILU-UV ground-based measurements in Thessaloniki, Greece. <i>Atmospheric Environment</i> , 2016, 140, 283-297.	1.9	22
119	The 11-year solar cycle in stratospheric ozone: Comparison between Umkehr and SBUVv8 and effects on surface erythemal irradiance. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	21
120	Retrieval of aerosol optical depth from surface solar radiation measurements using machine learning algorithms, non-linear regression and a radiative transfer-based look-up table. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 8181-8191.	1.9	21
121	MAX-DOAS NO ₂ observations over Guangzhou, China; ground-based and satellite comparisons. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 2239-2255.	1.2	21
122	A note on the interannual variations of UV-B erythemal doses and solar irradiance from ground-based and satellite observations. <i>Annales Geophysicae</i> , 2001, 19, 115-120.	0.6	21
123	Actinic flux and O _{1D} photolysis frequencies retrieved from spectral measurements of irradiance at Thessaloniki, Greece. <i>Atmospheric Chemistry and Physics</i> , 2004, 4, 2215-2226.	1.9	20
124	Modelling solar UV radiation in the past: comparison of algorithms and input data. , 2006, 6362, 274.		20
125	Solar irradiance in the heterogeneous albedo environment of the Arctic coast: measurements and a 3-D model study. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 5989-6002.	1.9	20
126	Investigating differences in DOAS retrieval codes using MAD-CAT campaign data. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 955-978.	1.2	20

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127	Possible Effects of Greenhouse Gases to Ozone Profiles and DNA Active UV-B Irradiance at Ground Level. <i>Atmosphere</i> , 2020, 11, 228.	1.0	20
128	Changes in surface shortwave solar irradiance from 1993 to 2011 at Thessaloniki (Greece). <i>International Journal of Climatology</i> , 2013, 33, 2871-2876.	1.5	19
129	Aerosol optical depth in the European Brewer Network. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 3885-3902.	1.9	19
130	UV-Index Climatology for Europe Based on Satellite Data. <i>Atmosphere</i> , 2020, 11, 727.	1.0	19
131	Factors affecting solar ultraviolet irradiance measured since 1990 at Thessaloniki, Greece. <i>International Journal of Remote Sensing</i> , 2009, 30, 4167-4179.	1.3	18
132	Effective aerosol optical depth from pyranometer measurements of surface solar radiation (global) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	1.9	18
133	Twenty-five years of spectral UV-B measurements over Canada, Europe and Japan: Trends and effects from changes in ozone, aerosols, clouds, and surface reflectivity. <i>Comptes Rendus - Geoscience</i> , 2018, 350, .	0.4	18
134	Inter-comparison of MAX-DOAS measurements of tropospheric HONO slant column densities and vertical profiles during the CINDI-2 campaign. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 5087-5116.	1.2	18
135	Solar ultraviolet absorption by sulphur dioxide in Thessaloniki, Greece. <i>Atmosphere - Ocean</i> , 1986, 24, 292-300.	0.6	17
136	The Northern Hemisphere ozone minimum in 1982â€“1983. <i>Archiv FÃ¼r Meteorologie Geophysik Und Bioklimatologie Serie B</i> , 1986, 36, 135-145.	0.8	17
137	Environmental effects of ozone depletion and its interactions with climate change: Progress Report 2003. <i>Photochemical and Photobiological Sciences</i> , 2004, 3, 1.	1.6	17
138	NO<sub>2</sub> and HCHO photolysis frequencies from irradiance measurements in Thessaloniki, Greece. <i>Atmospheric Chemistry and Physics</i> , 2005, 5, 1645-1653.	1.9	17
139	Correction of direct irradiance measurements of Brewer spectrophotometers due to the effect of internal polarization. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	17
140	Modeling the relationship between photosynthetically active radiation and global horizontal irradiance using singular spectrum analysis. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2016, 182, 240-263.	1.1	17
141	Deriving Aerosol Absorption Properties from Solar Ultraviolet Radiation Spectral Measurements at Thessaloniki, Greece. <i>Remote Sensing</i> , 2019, 11, 2179.	1.8	17
142	Decreases in the Ozone and the SO2 Columns Following the Appearance of the El Chichon Aerosol Cloud at Midlatitude. , 1985, , 353-356.		17
143	Validation of the TROPOspheric Monitoring Instrument (TROPOMI) surface UV radiation product. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 6999-7024.	1.2	17
144	Effect of ambient temperature on Robertsonâ€“Berger-type erythema dosimeters. <i>Applied Optics</i> , 2002, 41, 4273.	2.1	16

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145	Sensitivity of solar UV radiation to ozone and temperature profiles at Thessaloniki (40.5°N, 23°E), Greece. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2005, 67, 1321-1330.	0.6	16
146	Environmental effects of ozone depletion and its interactions with climate change: Progress report, 2007. <i>Photochemical and Photobiological Sciences</i> , 2008, 7, 15-27.	1.6	16
147	Validation of OMI erythemal doses with multi-sensor ground-based measurements in Thessaloniki, Greece. <i>Atmospheric Environment</i> , 2018, 183, 106-121.	1.9	16
148	An improved TROPOMI tropospheric NO ₂ research product over Europe. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 7297-7327.	1.2	16
149	Environmental effects of ozone depletion and its interactions with climate change: Progress report, 2004. <i>Photochemical and Photobiological Sciences</i> , 2005, 4, 177.	1.6	15
150	Estimation of the microphysical aerosol properties over Thessaloniki, Greece, during the SCOUT ₃ campaign with the synergy of Raman lidar and Sun photometer data. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	15
151	Projected changes in solar UV radiation in the Arctic and sub-Arctic Oceans: Effects from changes in reflectivity, ice transmittance, clouds, and ozone. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 8073-8090.	1.2	15
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