

# Alkiviadis Bais

## List of Publications by Citations

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234  
papers

8,383  
citations

46  
h-index

82  
g-index

279  
ext. papers

9,474  
ext. citations

4.4  
avg, IF

5.57  
L-index

#	Paper	IF	Citations
234	Design concepts for the Cherenkov Telescope Array CTA: an advanced facility for ground-based high-energy gamma-ray astronomy. <i>Experimental Astronomy</i> , <b>2011</b> , 32, 193-316	1.3	496
233	Transport impacts on atmosphere and climate: Aviation. <i>Atmospheric Environment</i> , <b>2010</b> , 44, 4678-4734	5.3	433
232	Introducing the CTA concept. <i>Astroparticle Physics</i> , <b>2013</b> , 43, 3-18	2.4	389
231	Ozone depletion and climate change: impacts on UV radiation. <i>Photochemical and Photobiological Sciences</i> , <b>2011</b> , 10, 182-98	4.2	305
230	Changes in biologically active ultraviolet radiation reaching the Earth's surface. <i>Photochemical and Photobiological Sciences</i> , <b>2003</b> , 2, 5-15	4.2	266
229	Changes in biologically-active ultraviolet radiation reaching the Earth's surface. <i>Photochemical and Photobiological Sciences</i> , <b>2007</b> , 6, 218-31	4.2	260
228	Solar ultraviolet radiation in a changing climate. <i>Nature Climate Change</i> , <b>2014</b> , 4, 434-441	21.4	221
227	Ozone depletion and climate change: impacts on UV radiation. <i>Photochemical and Photobiological Sciences</i> , <b>2015</b> , 14, 19-52	4.2	181
226	Spectral measurements of solar UVB radiation and its relations to total ozone, SO <sub>2</sub> , and clouds. <i>Journal of Geophysical Research</i> , <b>1993</b> , 98, 5199-5204		159
225	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> , <b>2005</b> , 110,		125
224	Effect of aerosols on solar UV irradiances during the Photochemical Activity and Solar Ultraviolet Radiation campaign. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 26051-26060		121
223	Cloud detection and classification with the use of whole-sky ground-based images. <i>Atmospheric Research</i> , <b>2012</b> , 113, 80-88	5.4	119
222	Forecasting peak pollutant levels from meteorological variables. <i>Atmospheric Environment</i> , <b>1995</b> , 29, 3703-3711	5.3	114
221	Validation of daily erythemal doses from Ozone Monitoring Instrument with ground-based UV measurement data. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		112
220	Comparison of Models Used for UV Index Calculations. <i>Photochemistry and Photobiology</i> , <b>1998</b> , 67, 657-668		110
219	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> , <b>2018</b> , 17, 127-179	4.2	105
218	Record low total ozone during northern winters of 1992 and 1993. <i>Geophysical Research Letters</i> , <b>1993</b> , 20, 1351-1354	4.9	96

217	Optical properties of tropospheric aerosols determined by lidar and spectrophotometric measurements (Photochemical Activity and Solar Ultraviolet Radiation campaign). <i>Applied Optics</i> , <b>1997</b> , 36, 6875-86	1.7	87
216	Nine years of UV aerosol optical depth measurements at Thessaloniki, Greece. <i>Atmospheric Chemistry and Physics</i> , <b>2007</b> , 7, 2091-2101	6.8	86
215	Satellite retrievals of erythemal UV dose compared with ground-based measurements at northern and southern midlatitudes. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 24051-24062		86
214	SUSPEN intercomparison of ultraviolet spectroradiometers. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 12509-12525		84
213	Solar UVB measurements with the double- and single-monochromator Brewer ozone spectrophotometers. <i>Geophysical Research Letters</i> , <b>1996</b> , 23, 833-836	4.9	81
212	Ozone-climate interactions and effects on solar ultraviolet radiation. <i>Photochemical and Photobiological Sciences</i> , <b>2019</b> , 18, 602-640	4.2	78
211	Variability of UV irradiance in Europe. <i>Photochemistry and Photobiology</i> , <b>2008</b> , 84, 172-9	3.6	75
210	Deriving an effective aerosol single scattering albedo from spectral surface UV irradiance measurements. <i>Atmospheric Environment</i> , <b>2005</b> , 39, 1093-1102	5.3	75
209	Correcting global solar ultraviolet spectra recorded by a brewer spectroradiometer for its angular response error. <i>Applied Optics</i> , <b>1998</b> , 37, 6339-44	1.7	65
208	On the relative importance of quasi-biennial oscillation and El Nino/Southern Oscillation in the revised Dobson total ozone records. <i>Journal of Geophysical Research</i> , <b>1992</b> , 97, 10135-10144		65
207	Traveling reference spectroradiometer for routine quality assurance of spectral solar ultraviolet irradiance measurements. <i>Applied Optics</i> , <b>2005</b> , 44, 5321-31	1.7	64
206	A new approach to correct for absorbing aerosols in OMI UV. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	63
205	Variability of UV-B at four stations in Europe. <i>Geophysical Research Letters</i> , <b>1997</b> , 24, 1363-1366	4.9	63
204	The total solar eclipse of March 2006: overview. <i>Atmospheric Chemistry and Physics</i> , <b>2008</b> , 8, 5205-5220	6.8	63
203	Assessment of TOMS UV bias due to absorbing aerosols. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		63
202	Simultaneous spectroradiometry: A study of solar UV irradiance at two altitudes. <i>Geophysical Research Letters</i> , <b>1994</b> , 21, 2805-2808	4.9	63
201	Ozone Monitoring Instrument spectral UV irradiance products: comparison with ground based measurements at an urban environment. <i>Atmospheric Chemistry and Physics</i> , <b>2009</b> , 9, 585-594	6.8	62
200	A note on the recent increase of Solar UV-B radiation over northern middle latitudes. <i>Geophysical Research Letters</i> , <b>1995</b> , 22, 1245-1247	4.9	62

199	Ozone depletion, ultraviolet radiation, climate change and prospects for a sustainable future. <i>Nature Sustainability</i> , <b>2019</b> , 2, 569-579	22.1	61
198	Projections of UV radiation changes in the 21st century: impact of ozone recovery and cloud effects. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 7533-7545	6.8	61
197	Quality assurance of spectral solar UV measurements: results from 25 UV monitoring sites in Europe, 2002 to 2004. <i>Metrologia</i> , <b>2006</b> , 43, S66-S71	2.1	61
196	Ground-based validation of the Copernicus Sentinel-5P TROPOMI NO <sub>2</sub> measurements with the NDACC ZSL-DOAS, MAX-DOAS and Pandora global networks. <i>Atmospheric Measurement Techniques</i> , <b>2021</b> , 14, 481-510	4	61
195	Dust impact on surface solar irradiance assessed with model simulations, satellite observations and ground-based measurements. <i>Atmospheric Measurement Techniques</i> , <b>2017</b> , 10, 2435-2453	4	57
194	Absolute spectral measurements of direct solar ultraviolet irradiance with a Brewer spectrophotometer. <i>Applied Optics</i> , <b>1997</b> , 36, 5199-204	1.7	53
193	Direct spectral measurements with a Brewer spectroradiometer: absolute calibration and aerosol optical depth retrieval. <i>Applied Optics</i> , <b>2005</b> , 44, 1681-90	1.7	53
192	Reconstructing of erythemal ultraviolet radiation levels in Europe for the past 4 decades. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		52
191	Study of the effect of different type of aerosols on UV-B radiation from measurements during EARLINET. <i>Atmospheric Chemistry and Physics</i> , <b>2004</b> , 4, 307-321	6.8	52
190	Further studies on possible volcanic signal to the ozone layer. <i>Journal of Geophysical Research</i> , <b>1994</b> , 99, 25741		48
189	Role of urban and suburban aerosols on solar UV radiation over Athens, Greece. <i>Atmospheric Environment</i> , <b>1998</b> , 32, 2193-2201	5.3	46
188	Comparison of measured and modelled uv indices for the assessment of health risks. <i>Meteorological Applications</i> , <b>2001</b> , 8, 267-277	2.1	46
187	Changes in surface solar UV irradiances and total ozone during the solar eclipse of August 11, 1999. <i>Journal of Geophysical Research</i> , <b>2000</b> , 105, 26463-26473		46
186	Absorption cross-sections of ozone in the ultraviolet and visible spectral regions: Status report 2015. <i>Journal of Molecular Spectroscopy</i> , <b>2016</b> , 327, 105-121	1.3	45
185	Environmental effects of ozone depletion and its interactions with climate change: progress report, 2009. <i>Photochemical and Photobiological Sciences</i> , <b>2010</b> , 9, 275-94	4.2	45
184	Spatial and temporal UV irradiance and aerosol variability within the area of an OMI satellite pixel. <i>Atmospheric Chemistry and Physics</i> , <b>2009</b> , 9, 4593-4601	6.8	45
183	Evidence of gravity waves into the atmosphere during the March 2006 total solar eclipse. <i>Atmospheric Chemistry and Physics</i> , <b>2007</b> , 7, 4943-4951	6.8	43
182	Monitoring of UV spectral irradiance at Thessaloniki (1990-2005): data re-evaluation and quality control. <i>Annales Geophysicae</i> , <b>2006</b> , 24, 3215-3228	2	40

181	Photolysis Frequency of NO <sub>2</sub> : Measurement and modeling during the International Photolysis Frequency Measurement and Modeling Intercomparison (IPMMI). <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		40
180	Environmental effects of ozone depletion and its interactions with climate change: progress report, 2015. <i>Photochemical and Photobiological Sciences</i> , <b>2016</b> , 15, 141-74	4.2	37
179	Environmental effects of ozone depletion and its interactions with climate change: progress report, 2011. <i>Photochemical and Photobiological Sciences</i> , <b>2012</b> , 11, 13-27	4.2	37
178	Comparison of satellite-derived UV irradiances with ground-based measurements at four European stations. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		37
177	Changes in surface UV solar irradiance and ozone over the balkans during the eclipse of August 11, 1999. <i>Advances in Space Research</i> , <b>2001</b> , 27, 1955-1963	2.4	37
176	Measurements and modeling of photolysis rates during the Photochemical Activity and Ultraviolet Radiation (PAUR) II campaign. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, PAU 5-1		37
175	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> , <b>2016</b> , 16, 2493-2505	6.8	36
174	Signs of a negative trend in the MODIS aerosol optical depth over the Southern Balkans. <i>Atmospheric Environment</i> , <b>2010</b> , 44, 1219-1228	5.3	36
173	International Photolysis Frequency Measurement and Model Intercomparison (IPMMI): Spectral actinic solar flux measurements and modeling. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		36
172	Possibilities to detect trends in spectral UV irradiance. <i>Theoretical and Applied Climatology</i> , <b>2005</b> , 81, 33-44	3	36
171	Skin cancer risks avoided by the Montreal Protocol--worldwide modeling integrating coupled climate-chemistry models with a risk model for UV. <i>Photochemistry and Photobiology</i> , <b>2013</b> , 89, 234-46	3.6	34
170	UV Index monitoring in Europe. <i>Photochemical and Photobiological Sciences</i> , <b>2017</b> , 16, 1349-1370	4.2	34
169	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> , <b>2005</b> , 5, 1975-1997	6.8	34
168	The recent UVB variability over southeastern Europe. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>1995</b> , 31, 15-19	6.7	34
167	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> , <b>2021</b> , 20, 1-67	4.2	34
166	Solar dimming and brightening over Thessaloniki, Greece, and Beijing, China. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>2009</b> , 61, 657-665	3.3	33
165	The effect of clouds on surface solar irradiance, based on data from an all-sky imaging system. <i>Renewable Energy</i> , <b>2016</b> , 95, 314-322	8.1	33
164	Comparisons of ground-based tropospheric NO <sub>2</sub> ; 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> , <b>2017</b> , 17, 5829-5849	6.8	32

163	Clear sky UV simulations for the 21st century based on ozone and temperature projections from Chemistry-Climate Models. <i>Atmospheric Chemistry and Physics</i> , <b>2009</b> , 9, 1165-1172	6.8	32
162	Aerosol forcing efficiency in the UVA region from spectral solar irradiance measurements at an urban environment. <i>Annales Geophysicae</i> , <b>2009</b> , 27, 2515-2522	2	32
161	Effects of total solar eclipse of 29 March 2006 on surface radiation. <i>Atmospheric Chemistry and Physics</i> , <b>2007</b> , 7, 5775-5783	6.8	32
160	Quasi-biennial and longer-term changes in clear sky UV-B solar irradiance. <i>Geophysical Research Letters</i> , <b>1998</b> , 25, 4345-4348	4.9	32
159	Solar energy prediction and verification using operational model forecasts and ground-based solar measurements. <i>Energy</i> , <b>2015</b> , 93, 1918-1930	7.9	31
158	Solar UV Irradiance in a Changing Climate: Trends in Europe and the Significance of Spectral Monitoring in Italy. <i>Environments - MDPI</i> , <b>2020</b> , 7, 1	3.2	31
157	TROPOMI/S5P total ozone column data: global ground-based validation and consistency with other satellite missions. <i>Atmospheric Measurement Techniques</i> , <b>2019</b> , 12, 5263-5287	4	31
156	Aerosol variability over Thessaloniki using ground based remote sensing observations and the TOMS aerosol index. <i>Atmospheric Environment</i> , <b>2006</b> , 40, 5367-5378	5.3	31
155	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> , <b>2002</b> , 19, 1049-1062	2	30
154	Intercomparison of NO <sub>2</sub> , O <sub>4</sub> , O <sub>3</sub> and HCHO slant column measurements by MAX-DOAS and zenith-sky UV-visible spectrometers during CINDI-2. <i>Atmospheric Measurement Techniques</i> , <b>2020</b> , 13, 2169-2208	4	30
153	Environmental effects of ozone depletion and its interactions with climate change: Progress report, 2016. <i>Photochemical and Photobiological Sciences</i> , <b>2017</b> , 16, 107-145	4.2	29
152	Comparisons of spore dosimetry and spectral photometry of solar-UV radiation at four sites in Japan and Europe. <i>Photochemistry and Photobiology</i> , <b>2000</b> , 72, 739-45	3.6	29
151	Evaluation of WRF shortwave radiation parameterizations in predicting Global Horizontal Irradiance in Greece. <i>Renewable Energy</i> , <b>2016</b> , 86, 831-840	8.1	28
150	European intercomparison of ultraviolet spectroradiometers. <i>Environmental Technology (United Kingdom)</i> , <b>1993</b> , 14, 25-43	2.6	28
149	Case study of UV-B modification during episodes of urban air pollution. <i>Atmospheric Environment</i> , <b>1998</b> , 32, 2203-2208	5.3	26
148	Europe's darker atmosphere in the UV-B. <i>Photochemical and Photobiological Sciences</i> , <b>2008</b> , 7, 925-30	4.2	26
147	Retrieval of downwelling UV actinic flux density spectra from spectral measurements of global and direct solar UV irradiance. <i>Journal of Geophysical Research</i> , <b>2000</b> , 105, 4857-4864		26
146	Success of Montreal Protocol Demonstrated by Comparing High-Quality UV Measurements with "World Avoided" Calculations from Two Chemistry-Climate Models. <i>Scientific Reports</i> , <b>2019</b> , 9, 12332	4.9	25



145	TEMIS UV product validation using NILU-UV ground-based measurements in Thessaloniki, Greece. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 7157-7174	6.8	25
144	Photolysis frequency of O <sub>3</sub> to O(1D): Measurements and modeling during the International Photolysis Frequency Measurement and Modeling Intercomparison (IPMMI). <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		25
143	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> , <b>2020</b> , 19, 542-584	4.2	24
142	Comparison of Model Calculations with Spectral UV Measurements during the SUSPEN Campaign: The Effect of Aerosols. <i>Journals of the Atmospheric Sciences</i> , <b>2001</b> , 58, 1529-1539	2.1	24
141	Calculations of the human vitamin D exposure from UV spectral measurements at three European stations. <i>Photochemical and Photobiological Sciences</i> , <b>2009</b> , 8, 45-51	4.2	23
140	Hourly resolved cloud modification factors in the ultraviolet. <i>Atmospheric Chemistry and Physics</i> , <b>2008</b> , 8, 2493-2508	6.8	23
139	Long-term solar UV radiation reconstructed by ANN modelling with emphasis on spatial characteristics of input data. <i>Atmospheric Chemistry and Physics</i> , <b>2008</b> , 8, 3107-3118	6.8	23
138	Assessment of surface solar irradiance derived from real-time modelling techniques and verification with ground-based measurements. <i>Atmospheric Measurement Techniques</i> , <b>2018</b> , 11, 907-924 <sup>4</sup>		22
137	Environmental effects of ozone depletion and its interactions with climate change: progress report, 2008. <i>Photochemical and Photobiological Sciences</i> , <b>2009</b> , 8, 13-22	4.2	22
136	Attenuation of global ultraviolet and visible irradiance over Greece during the total solar eclipse of 29 March 2006. <i>Atmospheric Chemistry and Physics</i> , <b>2007</b> , 7, 5959-5969	6.8	22
135	Comparison of two methods for cloud flagging of spectral UV measurements. <i>Atmospheric Research</i> , <b>2001</b> , 57, 31-42	5.4	22
134	OMI/Aura UV product validation using NILU-UV ground-based measurements in Thessaloniki, Greece. <i>Atmospheric Environment</i> , <b>2016</b> , 140, 283-297	5.3	21
133	Comparison of atmospheric spectral radiance measurements from five independently calibrated systems. <i>Photochemical and Photobiological Sciences</i> , <b>2009</b> , 8, 516-27	4.2	21
132	Overview and conclusions of the International Photolysis Frequency Measurement and Modeling Intercomparison (IPMMI) study. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		21
131	Actinic flux determination from measurements of irradiance. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		21
130	A study of the total atmospheric sulfur dioxide load using ground-based measurements and the satellite derived Sulfur Dioxide Index. <i>Atmospheric Environment</i> , <b>2009</b> , 43, 1693-1701	5.3	20
129	Environmental effects of ozone depletion and its interactions with climate change: Progress report, 2005. <i>Photochemical and Photobiological Sciences</i> , <b>2006</b> , 5, 13-24	4.2	20
128	Changes in tropospheric composition and air quality due to stratospheric ozone depletion. <i>Photochemical and Photobiological Sciences</i> , <b>2003</b> , 2, 62-7	4.2	20

127	Charge-coupled device spectrograph for direct solar irradiance and sky radiance measurements. <i>Applied Optics</i> , <b>2008</b> , 47, 1594-607	1.7	19
126	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> , <b>2007</b> , 112,		19
125	Factors affecting short- and long-term changes of spectral UV irradiance at two European stations. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		19
124	Actinic flux and $\text{O}^1\text{D}$ photolysis frequencies retrieved from spectral measurements of irradiance at Thessaloniki, Greece. <i>Atmospheric Chemistry and Physics</i> , <b>2004</b> , 4, 2215-2226	6.8	19
123	Retrieval of surface solar irradiance, based on satellite-derived cloud information, in Greece. <i>Energy</i> , <b>2015</b> , 90, 776-783	7.9	18
122	Solar irradiance in the heterogeneous albedo environment of the Arctic coast: measurements and a 3-D model study. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 5989-6002	6.8	18
121	Evaluation of simulated photolysis rates and their response to solar irradiance variability. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 6066-6084	4.4	18
120	Investigating differences in DOAS retrieval codes using MAD-CAT campaign data. <i>Atmospheric Measurement Techniques</i> , <b>2017</b> , 10, 955-978	4	17
119	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> , <b>2008</b> , 8, 1789-1812	6.8	17
118	MAX-DOAS $\text{NO}_2$ observations over Guangzhou, China; ground-based and satellite comparisons. <i>Atmospheric Measurement Techniques</i> , <b>2018</b> , 11, 2239-2255	4	17
117	Effective aerosol optical depth from pyranometer measurements of surface solar radiation (global radiation) at Thessaloniki, Greece. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 3733-3741	6.8	16
116	Environmental effects of ozone depletion and its interactions with climate change: progress report, 2007. <i>Photochemical and Photobiological Sciences</i> , <b>2008</b> , 7, 15-27	4.2	16
115	Correction of direct irradiance measurements of Brewer spectrophotometers due to the effect of internal polarization. <i>Geophysical Research Letters</i> , <b>2006</b> , 33,	4.9	16
114	Environmental effects of ozone depletion and its interactions with climate change: progress report 2003. <i>Photochemical and Photobiological Sciences</i> , <b>2004</b> , 3, 1-5	4.2	16
113	The Northern Hemisphere ozone minimum in 1982-1983. <i>Archiv für Meteorologie Geophysik Und Bioklimatologie Serie B</i> , <b>1986</b> , 36, 135-145		16
112	A note on the interannual variations of UV-B erythemal doses and solar irradiance from ground-based and satellite observations. <i>Annales Geophysicae</i> , <b>2001</b> , 19, 115-120	2	16
111	Intercomparison of MAX-DOAS vertical profile retrieval algorithms: studies on field data from the CINDI-2 campaign. <i>Atmospheric Measurement Techniques</i> , <b>2021</b> , 14, 1-35	4	16
110	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> , <b>2016</b> , 16, 8181-8191	6.8	15



109	Estimation of the microphysical aerosol properties over Thessaloniki, Greece, during the SCOUT-O3 campaign with the synergy of Raman lidar and Sun photometer data. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		15
108	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> , <b>2005</b> , 67, 1321-1330	2	15
107	The Effect of Three Different Absorption Cross-Sections and their Temperature Dependence on Total Ozone Measured by a Mid-Latitude Brewer Spectrophotometer. <i>Atmosphere - Ocean</i> , <b>2015</b> , 53, 19-28	1.5	14
106	Validation of OMI erythemal doses with multi-sensor ground-based measurements in Thessaloniki, Greece. <i>Atmospheric Environment</i> , <b>2018</b> , 183, 106-121	5.3	14
105	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> , <b>2014</b> , 119, 8073-8090	4.4	14
104	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> , <b>2013</b> , 74, 1-9	5.3	14
103	Factors affecting solar ultraviolet irradiance measured since 1990 at Thessaloniki, Greece. <i>International Journal of Remote Sensing</i> , <b>2009</b> , 30, 4167-4179	3.1	14
102	Modelling solar UV radiation in the past: comparison of algorithms and input data <b>2006</b> , 6362, 274		14
101	Deriving Aerosol Absorption Properties from Solar Ultraviolet Radiation Spectral Measurements at Thessaloniki, Greece. <i>Remote Sensing</i> , <b>2019</b> , 11, 2179	5	13
100	Evaluation of ozone column measurements over Greece with NILU-UV multi-channel radiometers. <i>International Journal of Remote Sensing</i> , <b>2009</b> , 30, 4273-4281	3.1	13
99	Environmental effects of ozone depletion and its interactions with climate change: progress report, 2004. <i>Photochemical and Photobiological Sciences</i> , <b>2005</b> , 4, 177-84	4.2	13
98	NO <sub>2</sub> and HCHO photolysis frequencies from irradiance measurements in Thessaloniki, Greece. <i>Atmospheric Chemistry and Physics</i> , <b>2005</b> , 5, 1645-1653	6.8	13
97	Effect of ambient temperature on Robertson-Berger-type erythemal dosimeters. <i>Applied Optics</i> , <b>2002</b> , 41, 4273-7	1.7	13
96	Solar ultraviolet absorption by sulphur dioxide in Thessaloniki, Greece. <i>Atmosphere - Ocean</i> , <b>1986</b> , 24, 292-300	1.5	13
95	Decreases in the Ozone and the SO <sub>2</sub> Columns Following the Appearance of the El Chichon Aerosol Cloud at Midlatitude <b>1985</b> , 353-356		13
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