

Alkiviadis Bais

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	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	4.2	4
233	Air Quality in Two Northern Greek Cities Revealed by Their Tropospheric NO ₂ Levels. <i>Atmosphere</i> , 2022 , 13, 840	2.7	1
232	An improved TROPOMI tropospheric NO ₂ research product over Europe. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 7297-7327	4	4
231	Degradation of antineoplastic drug etoposide in aqueous environment by photolysis and photocatalysis. Identification of photocatalytic transformation products and toxicity assessment. <i>Chemical Engineering Journal</i> , 2021 , 431, 133969	14.7	1
230	Evaluation of the LOTOS-EUROS NO ₂ simulations using ground-based measurements and S5P/TROPOMI observations over Greece. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 5269-5288	6.8	4
229	Vitamin D equilibrium affects sex-specific changes in lipid concentrations during Christian Orthodox fasting. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2021 , 211, 105903	5.1	0
228	Floral bullseyes and stratospheric ozone. <i>Current Biology</i> , 2021 , 31, R885-R887	6.3	1
227	Ground-based validation of the Copernicus Sentinel-5P TROPOMI NO ₂ measurements with the NDACC ZSL-DOAS, MAX-DOAS and Pandora global networks. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 481-510	4	61
226	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	4.2	34
225	The success of the Montreal Protocol in mitigating interactive effects of stratospheric ozone depletion and climate change on the environment. <i>Global Change Biology</i> , 2021 , 27, 5681-5683	11.4	1
224	Real-time UV index retrieval in Europe using Earth observation-based techniques: system description and quality assessment. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 5657-5699	4	2
223	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	6.8	11
222	Investigating the Role of Functional Polymorphism of Maternal and Neonatal Vitamin D Binding Protein in the Context of 25-Hydroxyvitamin D Cutoffs as Determinants of Maternal-Neonatal Vitamin D Status Profiles in a Sunny Mediterranean Region. <i>Nutrients</i> , 2021 , 13,	6.7	2
221	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	4	16
220	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	4.2	24
219	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	3.2	31
218	Evaluating different methods for elevation calibration of MAX-DOAS (Multi AXis Differential Optical Absorption Spectroscopy) instruments during the CINDI-2 campaign. <i>Atmospheric Measurement Techniques</i> , 2020 , 13, 685-712	4	7

217	Possible Effects of Greenhouse Gases to Ozone Profiles and DNA Active UV-B Irradiance at Ground Level. <i>Atmosphere</i> , 2020 , 11, 228	2.7	9
216	Second solar ultraviolet radiometer comparison campaign UVC-II. <i>Metrologia</i> , 2020 , 57, 035001	2.1	6
215	Automated Aerosol Classification from Spectral UV Measurements Using Machine Learning Clustering. <i>Remote Sensing</i> , 2020 , 12, 965	5	10
214	Intercomparison of NO ₂ , O ₄ , O ₃ and HCHO slant column measurements by MAX-DOAS and zenith-sky UV-visible spectrometers during CINDI-2. <i>Atmospheric Measurement Techniques</i> , 2020 , 13, 2169-2208	4	30
213	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	4	7
212	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	4	12
211	Validation of the TROPOspheric Monitoring Instrument (TROPOMI) surface UV radiation product. <i>Atmospheric Measurement Techniques</i> , 2020 , 13, 6999-7024	4	8
210	Towards an Algorithm for Near Real Time Profiling of Aerosol Species, Trace Gases, and Clouds Based on the Synergy of Remote Sensing Instruments. <i>EPJ Web of Conferences</i> , 2020 , 237, 08023	0.3	
209	Characterizing neonatal vitamin D deficiency in the modern era: A maternal-neonatal birth cohort from Southern Europe. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2020 , 198, 105555	5.1	2
208	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	6.8	13
207	UV-Index Climatology for Europe Based on Satellite Data. <i>Atmosphere</i> , 2020 , 11, 727	2.7	11
206	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	4.9	25
205	Ozone depletion, ultraviolet radiation, climate change and prospects for a sustainable future. <i>Nature Sustainability</i> , 2019 , 2, 569-579	22.1	61
204	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	4	31
203	Deriving Aerosol Absorption Properties from Solar Ultraviolet Radiation Spectral Measurements at Thessaloniki, Greece. <i>Remote Sensing</i> , 2019 , 11, 2179	5	13
202	Ozone-climate interactions and effects on solar ultraviolet radiation. <i>Photochemical and Photobiological Sciences</i> , 2019 , 18, 602-640	4.2	78
201	DOAS-based total column ozone retrieval from Phaethon system. <i>Atmospheric Environment</i> , 2018 , 180, 51-58	5.3	6
200	Aerosol optical depth in the European Brewer Network. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 3885-3902	6.8	10

199	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	4.2	105
198	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 ⁴		22
197	Validation of OMI erythemal doses with multi-sensor ground-based measurements in Thessaloniki, Greece. <i>Atmospheric Environment</i> , 2018 , 183, 106-121	5.3	14
196	EUBREWNET RBCC-E Huelva 2015 Ozone Brewer Intercomparison. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 9441-9455	6.8	11
195	MAX-DOAS NO ₂ observations over Guangzhou, China; ground-based and satellite comparisons. <i>Atmospheric Measurement Techniques</i> , 2018 , 11, 2239-2255	4	17
194	Why is it so hard to gain enough Vitamin D by solar exposure in the European winter?. <i>Meteorologische Zeitschrift</i> , 2018 ,	3.1	1
193	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, 393-402	1.4	13
192	Environmental effects of ozone depletion and its interactions with climate change: Progress report, 2016. <i>Photochemical and Photobiological Sciences</i> , 2017 , 16, 107-145	4.2	29
191	NILU-UV multi-filter radiometer total ozone columns: Comparison with satellite observations over Thessaloniki, Greece. <i>Science of the Total Environment</i> , 2017 , 590-591, 92-106	10.2	2
190	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	4	57
189	UV Index monitoring in Europe. <i>Photochemical and Photobiological Sciences</i> , 2017 , 16, 1349-1370	4.2	34
188	Total Ozone Data Retrieval from the Phaethon DOAS System. <i>Springer Atmospheric Sciences</i> , 2017 , 989-994		
187	Climatological Maps of Solar Energy in Greece from the Hellenic Network of Solar Energy. <i>Springer Atmospheric Sciences</i> , 2017 , 713-718	0.7	
186	The Effect of Clouds on Surface Solar Irradiance, from an All-Sky Camera, in Thessaloniki, Greece. <i>Springer Atmospheric Sciences</i> , 2017 , 1157-1162	0.7	2
185	Ultraviolet radiation and effects on humans: the paradigm of maternal vitamin D production during pregnancy. <i>European Journal of Clinical Nutrition</i> , 2017 , 71, 1268-1272	5.2	11
184	Comparison of Ground-Based Tropospheric NO ₂ Columns with OMI/Aura Products in the Greater Area of Thessaloniki by Means of an Air Quality Modeling Tool. <i>Springer Atmospheric Sciences</i> , 2017 , 1075-1080	0.7	1080
183	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	6.8	32
182	TEMIS UV product validation using NILU-UV ground-based measurements in Thessaloniki, Greece. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 7157-7174	6.8	25

181	Investigating differences in DOAS retrieval codes using MAD-CAT campaign data. <i>Atmospheric Measurement Techniques</i> , 2017 , 10, 955-978	4	17
180	Temperature dependence of the Brewer global UV measurements. <i>Atmospheric Measurement Techniques</i> , 2017 , 10, 4491-4505	4	7
179	Multi-decadal Trend Analysis of Total Columnar Ozone Over Thessaloniki. <i>Springer Atmospheric Sciences</i> , 2017 , 983-988	0.7	1
178	Estimation of the Solar Energy Potential in Greece Using Satellite and Ground-Based Observations. <i>Springer Atmospheric Sciences</i> , 2017 , 1149-1156	0.7	3
177	Introducing a Cloud Screening Detector Using Global Horizontal Irradiances in UV and PAR in Thessaloniki, Greece. <i>Springer Atmospheric Sciences</i> , 2017 , 1187-1192	0.7	1
176	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	1.3	45
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> , 2016 , 16, 2493-2505	6.8	36
174	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	6.8	15
173	OMI/Aura UV product validation using NILU-UV ground-based measurements in Thessaloniki, Greece. <i>Atmospheric Environment</i> , 2016 , 140, 283-297	5.3	21
172	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	2.1	11
171	Environmental effects of ozone depletion and its interactions with climate change: progress report, 2015. <i>Photochemical and Photobiological Sciences</i> , 2016 , 15, 141-74	4.2	37
170	Evaluation of WRF shortwave radiation parameterizations in predicting Global Horizontal Irradiance in Greece. <i>Renewable Energy</i> , 2016 , 86, 831-840	8.1	28
169	Extreme total column ozone events and effects on UV solar radiation at Thessaloniki, Greece. <i>Theoretical and Applied Climatology</i> , 2016 , 126, 505-517	3	12
168	Dead time effect on the Brewer measurements: correction and estimated uncertainties. <i>Atmospheric Measurement Techniques</i> , 2016 , 9, 1799-1816	4	11
167	Evaluation of simulated photolysis rates and their response to solar irradiance variability. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 6066-6084	4.4	18
166	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	8.1	33
165	Estimating probability distributions of solar irradiance. <i>Theoretical and Applied Climatology</i> , 2015 , 119, 465-479	3	8
164	Retrieval of surface solar irradiance, based on satellite-derived cloud information, in Greece. <i>Energy</i> , 2015 , 90, 776-783	7.9	18

163	Solar energy prediction and verification using operational model forecasts and ground-based solar measurements. <i>Energy</i> , 2015 , 93, 1918-1930	7.9	31
162	Ozone depletion and climate change: impacts on UV radiation. <i>Photochemical and Photobiological Sciences</i> , 2015 , 14, 19-52	4.2	181
161	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> , 2015 , 53, 19-28	1.5	14
160	Projected changes in erythemal and vitamin D effective irradiance over northern-hemisphere high latitudes. <i>Photochemical and Photobiological Sciences</i> , 2015 , 14, 1251-64	4.2	6
159	Solar ultraviolet radiation in a changing climate. <i>Nature Climate Change</i> , 2014 , 4, 434-441	21.4	221
158	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	4.4	14
157	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	6.8	18
156	Mapping of Surface Ozone Seasonality and Trends Across Europe During 1997-2006 Through Kriging Interpolation to Observational Data. <i>Water, Air, and Soil Pollution</i> , 2013 , 224, 1	2.6	3
155	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> , 2013 , 89, 234-46	3.6	34
154	eEnviPer: Environmental Permits Over the Cloud. <i>Procedia Technology</i> , 2013 , 8, 508-511		
153	Introducing the CTA concept. <i>Astroparticle Physics</i> , 2013 , 43, 3-18	2.4	389
152	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	5.3	14
151	Changes in surface shortwave solar irradiance from 1993 to 2011 at Thessaloniki (Greece). <i>International Journal of Climatology</i> , 2013 , 33, 2871-2876	3.5	12
150	Effective aerosol optical depth from pyranometer measurements of surface solar radiation (global radiation) at Thessaloniki, Greece. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 3733-3741	6.8	16
149	Changes in Total Solar Irradiance Measured at Thessaloniki, Greece Since 1993 Associated with Changes in Aerosols. <i>Springer Atmospheric Sciences</i> , 2013 , 897-903	0.7	2
148	Phaethon: A System for the Validation of Satellite Derived Atmospheric Columns of Trace Gases. <i>Springer Atmospheric Sciences</i> , 2013 , 1081-1088	0.7	4
147	Environmental effects of ozone depletion and its interactions with climate change: progress report, 2011. <i>Photochemical and Photobiological Sciences</i> , 2012 , 11, 13-27	4.2	37
146	Cloud detection and classification with the use of whole-sky ground-based images. <i>Atmospheric Research</i> , 2012 , 113, 80-88	5.4	119

145	Applying spaceborne reflectivity measurements for calculation of the solar ultraviolet radiation at ground level. <i>Atmospheric Measurement Techniques</i> , 2012 , 5, 3041-3054	4	6
144	Ozone depletion and climate change: impacts on UV radiation. <i>Photochemical and Photobiological Sciences</i> , 2011 , 10, 182-98	4.2	305
143	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	6.8	61
142	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	1.3	496
141	Variability of cloud-free ultraviolet dose rates on global scale due to modeled scenarios of future ozone recovery. <i>Photochemistry and Photobiology</i> , 2010 , 86, 117-22	3.6	8
140	Environmental effects of ozone depletion and its interactions with climate change: progress report, 2009. <i>Photochemical and Photobiological Sciences</i> , 2010 , 9, 275-94	4.2	45
139	Reconstructing of erythemal ultraviolet radiation levels in Europe for the past 4 decades. <i>Journal of Geophysical Research</i> , 2010 , 115,		52
138	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> , 2010 , 115,		15
137	Transport impacts on atmosphere and climate: Aviation. <i>Atmospheric Environment</i> , 2010 , 44, 4678-4734	5.3	433
136	Signs of a negative trend in the MODIS aerosol optical depth over the Southern Balkans. <i>Atmospheric Environment</i> , 2010 , 44, 1219-1228	5.3	36
135	Evaluation of ozone column measurements over Greece with NILU-UV multi-channel radiometers. <i>International Journal of Remote Sensing</i> , 2009 , 30, 4273-4281	3.1	13
134	The PROMOTE UV Record: Toward a Global Satellite-Based Climatology of Surface Ultraviolet Irradiance. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2009 , 2, 2074-212	4.7	10
133	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	5.3	20
132	Solar dimming and brightening over Thessaloniki, Greece, and Beijing, China. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2009 , 61, 657-665	3.3	33
131	A new approach to correct for absorbing aerosols in OMI UV. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	63
130	Comparison of atmospheric spectral radiance measurements from five independently calibrated systems. <i>Photochemical and Photobiological Sciences</i> , 2009 , 8, 516-27	4.2	21
129	Environmental effects of ozone depletion and its interactions with climate change: progress report, 2008. <i>Photochemical and Photobiological Sciences</i> , 2009 , 8, 13-22	4.2	22
128	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	4.2	23

127	Factors affecting solar ultraviolet irradiance measured since 1990 at Thessaloniki, Greece. <i>International Journal of Remote Sensing</i> , 2009 , 30, 4167-4179	3.1	14
126	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	6.8	62
125	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	6.8	32
124	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	6.8	45
123	Aerosol forcing efficiency in the UVA region from spectral solar irradiance measurements at an urban environment. <i>Annales Geophysicae</i> , 2009 , 27, 2515-2522	2	32
122	Solar UV: Measurements and Trends 2009 , 359-368		6
121	Charge-coupled device spectrograph for direct solar irradiance and sky radiance measurements. <i>Applied Optics</i> , 2008 , 47, 1594-607	1.7	19
120	Environmental effects of ozone depletion and its interactions with climate change: progress report, 2007. <i>Photochemical and Photobiological Sciences</i> , 2008 , 7, 15-27	4.2	16
119	Europe's darker atmosphere in the UV-B. <i>Photochemical and Photobiological Sciences</i> , 2008 , 7, 925-30	4.2	26
118	The total solar eclipse of March 2006: overview. <i>Atmospheric Chemistry and Physics</i> , 2008 , 8, 5205-5220	6.8	63
117	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	6.8	17
116	Hourly resolved cloud modification factors in the ultraviolet. <i>Atmospheric Chemistry and Physics</i> , 2008 , 8, 2493-2508	6.8	23
115	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	6.8	23
114	Estimation of photolysis frequencies from TOMS satellite measurements and routine meteorological observations. <i>Annales Geophysicae</i> , 2008 , 26, 1965-1975	2	
113	Variability of UV irradiance in Europe. <i>Photochemistry and Photobiology</i> , 2008 , 84, 172-9	3.6	75
112	Changes in biologically-active ultraviolet radiation reaching the Earth's surface. <i>Photochemical and Photobiological Sciences</i> , 2007 , 6, 218-31	4.2	260
111	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,		19
110	Validation of daily erythemal doses from Ozone Monitoring Instrument with ground-based UV measurement data. <i>Journal of Geophysical Research</i> , 2007 , 112,		112

109	Comparisons of Spore Dosimetry and Spectral Photometry of Solar-UV Radiation at Four Sites in Japan and Europe. <i>Photochemistry and Photobiology</i> , 2007 , 72, 739-745	3.6	
108	Effects of total solar eclipse of 29 March 2006 on surface radiation. <i>Atmospheric Chemistry and Physics</i> , 2007 , 7, 5775-5783	6.8	32
107	Evidence of gravity waves into the atmosphere during the March 2006 total solar eclipse. <i>Atmospheric Chemistry and Physics</i> , 2007 , 7, 4943-4951	6.8	43
106	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	6.8	22
105	Nine years of UV aerosol optical depth measurements at Thessaloniki, Greece. <i>Atmospheric Chemistry and Physics</i> , 2007 , 7, 2091-2101	6.8	86
104	Aerosol variability over Thessaloniki using ground based remote sensing observations and the TOMS aerosol index. <i>Atmospheric Environment</i> , 2006 , 40, 5367-5378	5.3	31
103	Modelling solar UV radiation in the past: comparison of algorithms and input data 2006 , 6362, 274		14
102	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	2.1	61
101	Environmental effects of ozone depletion and its interactions with climate change: Progress report, 2005. <i>Photochemical and Photobiological Sciences</i> , 2006 , 5, 13-24	4.2	20
100	Correction of direct irradiance measurements of Brewer spectrophotometers due to the effect of internal polarization. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	16
99	Comparison of satellite-derived UV irradiances with ground-based measurements at four European stations. <i>Journal of Geophysical Research</i> , 2006 , 111,		37
98	Monitoring of UV spectral irradiance at Thessaloniki (1990-2005): data re-evaluation and quality control. <i>Annales Geophysicae</i> , 2006 , 24, 3215-3228	2	40
97	Quality assurance of the Greek UV Network: preliminary results from the pilot phase operation 2006 ,		9
96	Estimation of UV irradiance from ancillary data and comparison with measurements at Thessaloniki, Greece (40.5°N, 23°E) 2006 ,		6
95	Variations of solar radiation at the Earth's surface during the total solar eclipse of 29 March 2006 2006 , 6362, 108		10
94	Environmental effects of ozone depletion and its interactions with climate change: progress report, 2004. <i>Photochemical and Photobiological Sciences</i> , 2005 , 4, 177-84	4.2	13
93	Direct spectral measurements with a Brewer spectroradiometer: absolute calibration and aerosol optical depth retrieval. <i>Applied Optics</i> , 2005 , 44, 1681-90	1.7	53
92	Traveling reference spectroradiometer for routine quality assurance of spectral solar ultraviolet irradiance measurements. <i>Applied Optics</i> , 2005 , 44, 5321-31	1.7	64

91	Portable device for characterizing the angular response of UV spectroradiometers. <i>Applied Optics</i> , 2005 , 44, 7136-43	1.7	12
90	Assessment of TOMS UV bias due to absorbing aerosols. <i>Journal of Geophysical Research</i> , 2005 , 110,		63
89	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,		125
88	Variability of spectral UV irradiance at Thessaloniki, Greece, from 15 years of measurements 2005 ,		4
87	NO ₂ and HCHO photolysis frequencies from irradiance measurements in Thessaloniki, Greece. <i>Atmospheric Chemistry and Physics</i> , 2005 , 5, 1645-1653	6.8	13
86	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	6.8	34
85	Intercomparison of solar UV direct irradiance spectral measurements at Izana in June 2005 2005 ,		5
84	Deriving an effective aerosol single scattering albedo from spectral surface UV irradiance measurements. <i>Atmospheric Environment</i> , 2005 , 39, 1093-1102	5.3	75
83	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	2	15
82	Possibilities to detect trends in spectral UV irradiance. <i>Theoretical and Applied Climatology</i> , 2005 , 81, 33-44	3	36
81	Environmental effects of ozone depletion and its interactions with climate change: progress report 2003. <i>Photochemical and Photobiological Sciences</i> , 2004 , 3, 1-5	4.2	16
80	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,		25
79	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	6.8	52
78	Actinic flux and O ₃ photolysis frequencies retrieved from spectral measurements of irradiance at Thessaloniki, Greece. <i>Atmospheric Chemistry and Physics</i> , 2004 , 4, 2215-2226	6.8	19
77	Assessment of TOMS UV bias due to absorbing aerosols 2004 ,		3
76	Quality assurance of spectral ultraviolet measurements in Europe through the development of a transportable unit (QASUME) 2003 , 4896, 232		8
75	International Photolysis Frequency Measurement and Model Intercomparison (IPMMI): Spectral actinic solar flux measurements and modeling. <i>Journal of Geophysical Research</i> , 2003 , 108,		36
74	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,		40

73	Overview and conclusions of the International Photolysis Frequency Measurement and Modeling Intercomparison (IPMMI) study. <i>Journal of Geophysical Research</i> , 2003 , 108,		21
72	Actinic flux determination from measurements of irradiance. <i>Journal of Geophysical Research</i> , 2003 , 108,		21
71	Factors affecting short- and long-term changes of spectral UV irradiance at two European stations. <i>Journal of Geophysical Research</i> , 2003 , 108,		19
70	Changes in biologically active ultraviolet radiation reaching the Earth's surface. <i>Photochemical and Photobiological Sciences</i> , 2003 , 2, 5-15	4.2	266
69	Changes in tropospheric composition and air quality due to stratospheric ozone depletion. <i>Photochemical and Photobiological Sciences</i> , 2003 , 2, 62-7	4.2	20
68	Comparisons of spore dosimetry and spectral photometry for measurement of biologically effective doses of solar UV radiation 2002 ,		1
67	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	2	30
66	Empirical approach to converting spectral UV measurements to actinic flux data 2002 , 4482, 104		2
65	Effects of aerosol optical depth and single scattering albedo on surface UV irradiance 2002 , 4482, 15		1
64	Effect of ambient temperature on Robertson-Berger-type erythemal dosimeters. <i>Applied Optics</i> , 2002 , 41, 4273-7	1.7	13
63	Quality assurance of reference standards from nine European solar-ultraviolet monitoring laboratories. <i>Applied Optics</i> , 2002 , 41, 4278-82	1.7	10
62	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		37
61	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	2.1	24
60	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	2.4	37
59	Comparison of measured and modelled uv indices for the assessment of health risks. <i>Meteorological Applications</i> , 2001 , 8, 267-277	2.1	46
58	Satellite retrievals of erythemal UV dose compared with ground-based measurements at northern and southern midlatitudes. <i>Journal of Geophysical Research</i> , 2001 , 106, 24051-24062		86
57	SUSPEN intercomparison of ultraviolet spectroradiometers. <i>Journal of Geophysical Research</i> , 2001 , 106, 12509-12525		84
56	Comparison of two methods for cloud flagging of spectral UV measurements. <i>Atmospheric Research</i> , 2001 , 57, 31-42	5.4	22

55	Photochemical activity over the eastern mediterranean under variable environmental conditions. <i>Physics and Chemistry of the Earth, Part C: Solar, Terrestrial and Planetary Science</i> , 2001 , 26, 549-554		3
54	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	2	16
53	A 5-year climatology of the solar erythemal ultraviolet in Athens, Greece. <i>International Journal of Climatology</i> , 2000 , 20, 1237-1247	3.5	9
52	Mesoscale simulations of thermodynamic fluxes over complex terrain. <i>International Journal of Climatology</i> , 2000 , 20, 1249-1264	3.5	5
51	On changes of spectral UV-B in the 90s in Europe. <i>Advances in Space Research</i> , 2000 , 26, 1971-1978	2.4	5
50	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		46
49	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		26
48	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, 739-45	3.6	29
47	Calibration and Characterization of Erythemal Broadband Detectors 2000 , 195-202		
46	Readings of Polysulphone Film after Fractionated and Continuous Exposures to UV Radiation and Consequences for the Calculation of the Reading Resulting from Polychromatic UV Radiation. <i>Radiation Protection Dosimetry</i> , 1999 , 83, 303-307	0.9	4
45	Comparison of Models Used for UV Index Calculations. <i>Photochemistry and Photobiology</i> , 1998 , 67, 657-668		110
44	Case study of UV-B modification during episodes of urban air pollution. <i>Atmospheric Environment</i> , 1998 , 32, 2203-2208	5.3	26
43	Role of urban and suburban aerosols on solar UV radiation over Athens, Greece. <i>Atmospheric Environment</i> , 1998 , 32, 2193-2201	5.3	46
42	On the daily maximum UV-B doses during the significant ozone deficiencies in the transition seasons of 1992/93. <i>Advances in Space Research</i> , 1998 , 22, 1505-1508	2.4	
41	Correcting global solar ultraviolet spectra recorded by a brewer spectroradiometer for its angular response error. <i>Applied Optics</i> , 1998 , 37, 6339-44	1.7	65
40	Quasi-biennial and longer-term changes in clear sky UV-B solar irradiance. <i>Geophysical Research Letters</i> , 1998 , 25, 4345-4348	4.9	32
39	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		121
38	Comparison of Models Used for UV Index Calculations 1998 , 67, 657		1

37	Variability of UV-B at four stations in Europe. <i>Geophysical Research Letters</i> , 1997 , 24, 1363-1366	4.9	63
36	Absolute spectral measurements of direct solar ultraviolet irradiance with a Brewer spectrophotometer. <i>Applied Optics</i> , 1997 , 36, 5199-204	1.7	53
35	Optical properties of tropospheric aerosols determined by lidar and spectrophotometric measurements (Photochemical Activity and Solar Ultraviolet Radiation campaign). <i>Applied Optics</i> , 1997 , 36, 6875-86	1.7	87
34	Spectral UV measurements over Europe within the Second European Stratospheric Arctic and Midlatitude Experiment activities. <i>Journal of Geophysical Research</i> , 1997 , 102, 8731-8736		12
33	Solar UVB measurements with the double- and single-monochromator Brewer ozone spectrophotometers. <i>Geophysical Research Letters</i> , 1996 , 23, 833-836	4.9	81
32	Recent Volcanic Signals in the Ozone Layer 1996 , 211-216		
31	The recent UVB variability over southeastern Europe. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1995 , 31, 15-19	6.7	34
30	Forecasting peak pollutant levels from meteorological variables. <i>Atmospheric Environment</i> , 1995 , 29, 3703-3711	5.3	114
29	A note on the recent increase of Solar UV-B radiation over northern middle latitudes. <i>Geophysical Research Letters</i> , 1995 , 22, 1245-1247	4.9	62
28	Reply to the paper: On the total ozone depletion over Greece derived from satellite flown and ground-based instruments. <i>International Journal of Remote Sensing</i> , 1994 , 15, 3295-3301	3.1	1
27	Variability of solar UV-B radiation at high and middle latitudes during EASOE 1991/92. <i>Geophysical Research Letters</i> , 1994 , 21, 1403-1406	4.9	5
26	Simultaneous spectroradiometry: A study of solar UV irradiance at two altitudes. <i>Geophysical Research Letters</i> , 1994 , 21, 2805-2808	4.9	63
25	Further studies on possible volcanic signal to the ozone layer. <i>Journal of Geophysical Research</i> , 1994 , 99, 25741		48
24	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		159
23	Record low total ozone during northern winters of 1992 and 1993. <i>Geophysical Research Letters</i> , 1993 , 20, 1351-1354	4.9	96
22	European intercomparison of ultraviolet spectroradiometers. <i>Environmental Technology (United Kingdom)</i> , 1993 , 14, 25-43	2.6	28
21	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> , 1992 , 97, 10135-10144		65
20	A computerized system for air pollution and meteorological data acquisition. <i>Environmental Technology (United Kingdom)</i> , 1990 , 11, 371-380	2.6	

19	Design of a system for real-time modelling of the dispersion of hazardous gas releases in industrial plants. <i>Journal of Loss Prevention in the Process Industries</i> , 1989 , 2, 155-160	3.5	5
18	Design of a system for real-time modelling of the dispersion of hazardous gas releases in industrial plants. <i>Journal of Loss Prevention in the Process Industries</i> , 1989 , 2, 194-199	3.5	5
17	Stratospheric and total NO ₂ column measurements with a modified Canterbury filter photometer. <i>Journal of Atmospheric Chemistry</i> , 1989 , 9, 435-446	3.2	2
16	Significant increasing trends in surface ozone in greece. <i>Environmental Technology Letters</i> , 1989 , 10, 1071-1082		
15	The Northern Hemisphere ozone minimum in 1982-1983. <i>Archiv Für Meteorologie Geophysik Und Bioklimatologie Serie B</i> , 1986 , 36, 135-145		16
14	Solar ultraviolet absorption by sulphur dioxide in Thessaloniki, Greece. <i>Atmosphere - Ocean</i> , 1986 , 24, 292-300	1.5	13
13	Decreases in the Ozone and the SO ₂ Columns Following the Appearance of the El Chichon Aerosol Cloud at Midlatitude 1985 , 353-356		13
12	On the strength of the ozone sink at the ground. <i>Archiv Für Meteorologie Geophysik Und Bioklimatologie Serie B</i> , 1983 , 33, 229-236		2
11	Projections of UV radiation changes in the 21st century: impact of ozone recovery and cloud effects		3
10	Solar irradiance in the heterogeneous albedo environment of the Arctic coast: measurements and a 3-D-model study		2
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