

Dimitrios Balis

List of Publications by Year in descending order

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166
papers

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66343
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237
times ranked

5441
citing authors

#	ARTICLE	IF	CITATIONS
1	EARLINET observations of the 14–22-May long-range dust transport event during SAMUM 2006: validation of results from dust transport modelling. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 61, 325.	1.6	47
2	Evaluating the assimilation of S5P/TROPOMI near real-time SO ₂ columns and layer height data into the CAMS integrated forecasting system (CY47R1), based on a case study of the 2019 Raikoke eruption. <i>Geoscientific Model Development</i> , 2022, 15, 971-994.	3.6	9
3	Retrieval of tropospheric aerosol, NO ₂ , and HCHO vertical profiles from MAX-DOAS observations over Thessaloniki, Greece: intercomparison and validation of two inversion algorithms. <i>Atmospheric Measurement Techniques</i> , 2022, 15, 1269-1301.	3.1	8
4	Volcanic SO ₂ layer height by TROPOMI/S5P: evaluation against IASI/MetOp and CALIOP/CALIPSO observations. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 5665-5683.	4.9	5
5	Air Quality in Two Northern Greek Cities Revealed by Their Tropospheric NO ₂ Levels. <i>Atmosphere</i> , 2022, 13, 840.	2.3	3
6	Sudden changes in nitrogen dioxide emissions over Greece due to lockdown after the outbreak of COVID-19. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 1759-1774.	4.9	32
7	First validation of GOME-2/MetOp absorbing aerosol height using EARLINET lidar observations. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 3193-3213.	4.9	5
8	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.	4.9	12
9	Effect of Aerosols, Tropospheric NO ₂ and Clouds on Surface Solar Radiation over the Eastern Mediterranean (Greece). <i>Remote Sensing</i> , 2021, 13, 2587.	4.0	7
10	Changes in Power Plant NO _x Emissions over Northwest Greece Using a Data Assimilation Technique. <i>Atmosphere</i> , 2021, 12, 900.	2.3	5
11	FTIR Measurements of Greenhouse Gases over Thessaloniki, Greece in the Framework of COCCON and Comparison with S5P/TROPOMI Observations. <i>Remote Sensing</i> , 2021, 13, 3395.	4.0	9
12	A New Separation Methodology for the Maritime Sector Emissions over the Mediterranean and Black Sea Regions. <i>Atmosphere</i> , 2021, 12, 1478.	2.3	5
13	A First Case Study of CCN Concentrations from Spaceborne Lidar Observations. <i>Remote Sensing</i> , 2020, 12, 1557.	4.0	22
14	Consistency of the Single Calculus Chain Optical Products with Archived Measurements from an EARLINET Lidar Station. <i>Remote Sensing</i> , 2020, 12, 3969.	4.0	5
15	Variability in cirrus cloud properties using a Polly ^{XT} Raman lidar over high and tropical latitudes. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 4427-4444.	4.9	19
16	The effect of considering polar vortex dynamics in the validation of satellite total ozone observations. <i>Atmospheric Research</i> , 2020, 238, 104870.	4.1	5
17	An EARLINET early warning system for atmospheric aerosol aviation hazards. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 10775-10789.	4.9	15
18	Biomass burning events measured by lidars in EARLINET – Part 1: Data analysis methodology. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 13905-13927.	4.9	20

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19	Is the near-spherical shape the “new black” for smoke?. Atmospheric Chemistry and Physics, 2020, 20, 14005-14021.	4.9	16
20	Validation of the GOME-2 Absorbing Aerosol Height Product Using Elevated Layer Top Height Obtained from Thessaloniki EARLINET Station. EPJ Web of Conferences, 2020, 237, 08026.	0.3	0
21	Towards an Algorithm for Near Real Time Profiling of Aerosol Species, Trace Gases, and Clouds Based on the Synergy of Remote Sensing Instruments. EPJ Web of Conferences, 2020, 237, 08023.	0.3	1
22	Aerosol Effect on the Cloud Phase of Low-Level Clouds Over the Arctic. Journal of Geophysical Research D: Atmospheres, 2019, 124, 7886-7899.	3.3	12
23	TROPOMI/S5P total ozone column data: global ground-based validation and consistency with other satellite missions. Atmospheric Measurement Techniques, 2019, 12, 5263-5287.	3.1	77
24	Comparison of two automated aerosol typing methods and their application to an EARLINET station. Atmospheric Chemistry and Physics, 2019, 19, 10961-10980.	4.9	13
25	EARLINET evaluation of the CATS Level 2 aerosol backscatter coefficient product. Atmospheric Chemistry and Physics, 2019, 19, 11743-11764.	4.9	16
26	The use of QBO, ENSO, and NAO perturbations in the evaluation of GOME-2 MetOp A total ozone measurements. Atmospheric Measurement Techniques, 2019, 12, 987-1011.	3.1	2
27	Adverse results of the economic crisis: A study on the emergence of enhanced formaldehyde (HCHO) levels seen from satellites over Greek urban sites. Atmospheric Research, 2019, 224, 42-51.	4.1	13
28	A sensitivity study of the Lidar-Radiometer Inversion Code (LIRIC) using selected cases from Thessaloniki, Greece database. International Journal of Remote Sensing, 2018, 39, 315-333.	2.9	1
29	MAX-DOAS NO ₂ observations over Guangzhou, China; ground-based and satellite comparisons. Atmospheric Measurement Techniques, 2018, 11, 2239-2255.	3.1	21
30	Earlinet validation of CATS L2 product. EPJ Web of Conferences, 2018, 176, 02005.	0.3	0
31	Validation of the IASI FORLI/EUMETSAT ozone products using satellite (GOME-2), ground-based (Brewer “Dobson, SAOZ, FTIR) and ozonesonde measurements. Atmospheric Measurement Techniques, 2018, 11, 5125-5152.	3.1	47
32	Are EARLINET and AERONET climatologies consistent? The case of Thessaloniki, Greece. Atmospheric Chemistry and Physics, 2018, 18, 11885-11903.	4.9	24
33	Updated SO ₂ emission estimates over China using OMI/Aura observations. Atmospheric Measurement Techniques, 2018, 11, 1817-1832.	3.1	43
34	Quality assessment of the Ozone_cci Climate Research Data Package (release 2017) “Part 1: Ground-based validation of total ozone column data products. Atmospheric Measurement Techniques, 2018, 11, 1385-1402.	3.1	26
35	Quality assessment of the Ozone_cci Climate Research Data Package (release 2017) “Part 2: Ground-based validation of nadir ozone profile data products. Atmospheric Measurement Techniques, 2018, 11, 3769-3800.	3.1	7
36	Validation of OMI erythemal doses with multi-sensor ground-based measurements in Thessaloniki, Greece. Atmospheric Environment, 2018, 183, 106-121.	4.1	16

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37	A high resolution satellite view of surface solar radiation over the climatically sensitive region of Eastern Mediterranean. Atmospheric Research, 2017, 188, 107-121.	4.1	46
38	NILU-UV multi-filter radiometer total ozone columns: Comparison with satellite observations over Thessaloniki, Greece. Science of the Total Environment, 2017, 590-591, 92-106.	8.0	2
39	Detecting volcanic sulfur dioxide plumes in the Northern Hemisphere using the Brewer spectrophotometers, other networks, and satellite observations. Atmospheric Chemistry and Physics, 2017, 17, 551-574.	4.9	18
40	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. Atmospheric Chemistry and Physics, 2017, 17, 5829-5849.	4.9	43
41	Three-dimensional evolution of Saharan dust transport towards Europe based on a 9-year EARLINET-optimized CALIPSO dataset. Atmospheric Chemistry and Physics, 2017, 17, 5893-5919.	4.9	117
42	Investigating the quality of modeled aerosol profiles based on combined lidar and sunphotometer data. Atmospheric Chemistry and Physics, 2017, 17, 7003-7023.	4.9	18
43	TEMIS UV product validation using NILU-UV ground-based measurements in Thessaloniki, Greece. Atmospheric Chemistry and Physics, 2017, 17, 7157-7174.	4.9	32
44	Overview of the O3M SAF GOME-2 operational atmospheric composition and UV radiation data products and data availability. Atmospheric Measurement Techniques, 2016, 9, 383-407.	3.1	44
45	Seven years of IASI ozone retrievals from FORLI: validation with independent total column and vertical profile measurements. Atmospheric Measurement Techniques, 2016, 9, 4327-4353.	3.1	50
46	A Sensitivity Study of Liric Algorithm to User-defined Input Parameters, Using Selected Cases from Thessaloniki's Measurements. EPJ Web of Conferences, 2016, 119, 23027.	0.3	0
47	The impact of the ozone effective temperature on satellite validation using the Dobson spectrophotometer network. Atmospheric Measurement Techniques, 2016, 9, 2055-2065.	3.1	15
48	Absorption cross-sections of ozone in the ultraviolet and visible spectral regions: Status report 2015. Journal of Molecular Spectroscopy, 2016, 327, 105-121.	1.2	57
49	Optical and microphysical characterization of aerosol layers over South Africa by means of multi-wavelength depolarization and Raman lidar measurements. Atmospheric Chemistry and Physics, 2016, 16, 8109-8123.	4.9	51
50	The vertical distribution of volcanic SO ₂ plumes measured by IASI. Atmospheric Chemistry and Physics, 2016, 16, 4343-4367.	4.9	47
51	Validation of ash optical depth and layer height retrieved from passive satellite sensors using EARLINET and airborne lidar data: the case of the Eyjafjallajökull eruption. Atmospheric Chemistry and Physics, 2016, 16, 5705-5720.	4.9	13
52	EARLINET: 12-year of Aerosol Profiling over Europe. EPJ Web of Conferences, 2016, 119, 19002.	0.3	1
53	Validation of ASH Optical Depth and Layer Height from IASI using Earlinet Lidar Data. EPJ Web of Conferences, 2016, 119, 07006.	0.3	0
54	OMI/Aura UV product validation using NILU-UV ground-based measurements in Thessaloniki, Greece. Atmospheric Environment, 2016, 140, 283-297.	4.1	22

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55	Extreme total column ozone events and effects on UV solar radiation at Thessaloniki, Greece. Theoretical and Applied Climatology, 2016, 126, 505-517.	2.8	13
56	Evaluating a new homogeneous total ozone climate data record from GOME/ERS-2, SCIAMACHY/Envisat, and GOME-2/MetOp-A. Journal of Geophysical Research D: Atmospheres, 2015, 120, 12,296.	3.3	29
57	LIVAS: a 3-D multi-wavelength aerosol/cloud database based on CALIPSO and EARLINET. Atmospheric Chemistry and Physics, 2015, 15, 7127-7153.	4.9	94
58	A methodology for investigating dust model performance using synergistic EARLINET/AERONET dust concentration retrievals. Atmospheric Measurement Techniques, 2015, 8, 3577-3600.	3.1	76
59	The GOME-type Total Ozone Essential Climate Variable (GTO-ECV) data record from the ESA Climate Change Initiative. Atmospheric Measurement Techniques, 2015, 8, 3923-3940.	3.1	23
60	The Effect of Three Different Absorption Cross-Sections and their Temperature Dependence on Total Ozone Measured by a Mid-Latitude Brewer Spectrophotometer. Atmosphere - Ocean, 2015, 53, 19-28.	1.6	15
61	Identification of surface NO _x emission sources on a regional scale using OMI NO ₂ . Atmospheric Environment, 2015, 101, 82-93.	4.1	25
62	Ozone and Spectroradiometric UV Changes in the Past 20 Years over High Latitudes. Atmosphere - Ocean, 2015, 53, 117-125.	1.6	23
63	Intercomparison of Metop-A SO ₂ measurements during the 2010- 2011 Icelandic eruptions. Annals of Geophysics, 2015, 57, .	1.0	7
64	Homogenized total ozone data records from the European sensors GOME/ERS-2, SCIAMACHY/Envisat, and GOME-2/MetOp-A. Journal of Geophysical Research D: Atmospheres, 2014, 119, 1639-1662.	3.3	63
65	GOME-2 total ozone columns from MetOp-A/MetOp-B and assimilation in the MACC system. Atmospheric Measurement Techniques, 2014, 7, 2937-2951.	3.1	41
66	Evaluation of high resolution simulated and OMI retrieved tropospheric NO ₂ column densities over Southeastern Europe. Atmospheric Research, 2013, 122, 55-66.	4.1	31
67	Introducing the CTA concept. Astroparticle Physics, 2013, 43, 3-18.	4.3	504
68	Forest Fire Aerosols: Vertically Resolved Optical and Microphysical Properties and Mass Concentration from Lidar Observations. Springer Atmospheric Sciences, 2013, , 905-910.	0.3	0
69	Factors affecting the comparisons of planetary boundary layer height retrievals from CALIPSO, ECMWF and radiosondes over Thessaloniki, Greece. Atmospheric Environment, 2013, 74, 360-366.	4.1	38
70	Four-dimensional distribution of the 2010 Eyjafjallajökull volcanic cloud over Europe observed by EARLINET. Atmospheric Chemistry and Physics, 2013, 13, 4429-4450.	4.9	95
71	Phaethon: A System for the Validation of Satellite Derived Atmospheric Columns of Trace Gases. Springer Atmospheric Sciences, 2013, , 1081-1088.	0.3	4
72	Evaluation of CALIPSO's Aerosol Classification Scheme During the ACEMED Experimental Campaign Over Greece: The Case Study of 9th of September 2011. Springer Atmospheric Sciences, 2013, , 865-871.	0.3	0

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73	Geophysical validation and long-term consistency between GOME-2/MetOp-A total ozone column and measurements from the sensors GOME/ERS-2, SCIAMACHY/ENVISAT and OMI/Aura. Atmospheric Measurement Techniques, 2012, 5, 2169-2181.	3.1	45
74	Sixteen years of GOME/ERS-2 total ozone data: The new direct-fitting GOME Data Processor (GDP) version 5a€”Algorithm description. Journal of Geophysical Research, 2012, 117, .	3.3	47
75	Attribution of the Arctic ozone column deficit in March 2011. Geophysical Research Letters, 2012, 39, .	4.0	30
76	Geometrical characteristics of desert dust layers over Thessaloniki estimated with backscatter/Raman lidar and the BSC/DREAM model. Remote Sensing Letters, 2012, 3, 353-362.	1.4	7
77	Optical properties and vertical extension of aged ash layers over the Eastern Mediterranean as observed by Raman lidars during the Eyjafjallaj�kull eruption in May 2010. Atmospheric Environment, 2012, 48, 56-65.	4.1	45
78	A regional model of European aerosol transport: Evaluation with sun photometer, lidar and air quality data. Atmospheric Environment, 2012, 47, 519-532.	4.1	15
79	A 1-year remote sensing study of radiative effects of aerosol and clouds over the NE Mediterranean. International Journal of Remote Sensing, 2011, 32, 8747-8762.	2.9	2
80	Observed and modelled record ozone decline over the Arctic during winter/spring 2011. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	33
81	Characterization of the aerosol type using simultaneous measurements of the lidar ratio and estimations of the single scattering albedo. Atmospheric Research, 2011, 101, 46-53.	4.1	13
82	Design concepts for the Cherenkov Telescope Array CTA: an advanced facility for ground-based high-energy gamma-ray astronomy. Experimental Astronomy, 2011, 32, 193-316.	3.7	640
83	Validation of CALIPSO level-2 products using a ground based lidar in Thessaloniki, Greece. Proceedings of SPIE, 2011, , .	0.8	1
84	Vertical resolved separation of aerosol types using CALIPSO level-2 product. Proceedings of SPIE, 2011, , .	0.8	2
85	An update on the dynamically induced episodes of extreme low ozone values over the northern middle latitudes. International Journal of Remote Sensing, 2011, 32, 9197-9205.	2.9	6
86	Variability of Shortwave and Longwave Radiation over Europe as Derived from International Satellite Cloud Climatology Project. , 2010, , .		0
87	Smoke injection heights from agricultural burning in Eastern Europe as seen by CALIPSO. Atmospheric Chemistry and Physics, 2010, 10, 11567-11576.	4.9	59
88	EARLINET observations of the Eyjafjallaj�f�kull ash plume over Europe. , 2010, , .		9
89	Optical properties of different aerosol types: seven years of combined Raman-elastic backscatter lidar measurements in Thessaloniki, Greece. Atmospheric Measurement Techniques, 2010, 3, 569-578.	3.1	80
90	EARLINET correlative measurements for CALIPSO: First intercomparison results. Journal of Geophysical Research, 2010, 115, .	3.3	148

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91	Estimation of the microphysical aerosol properties over Thessaloniki, Greece, during the SCOUT ³ campaign with the synergy of Raman lidar and Sun photometer data. Journal of Geophysical Research, 2010, 115, .	3.3	15
92	Global validation of empirically corrected EPA Total Ozone Mapping Spectrometer (TOMS) total ozone columns using Brewer and Dobson ground-based measurements. Journal of Geophysical Research, 2010, 115, .	3.3	33
93	Characteristics of the ozone decline over both hemispheres. International Journal of Remote Sensing, 2009, 30, 3887-3895.	2.9	3
94	EARLINET: the European Aerosol Research Lidar Network for the Aerosol Climatology on Continental Scale. , 2009, , .		1
95	Global long-term monitoring of the ozone layer – a prerequisite for predictions. International Journal of Remote Sensing, 2009, 30, 4295-4318.	2.9	55
96	A study of the total atmospheric sulfur dioxide load using ground-based measurements and the satellite derived Sulfur Dioxide Index. Atmospheric Environment, 2009, 43, 1693-1701.	4.1	24
97	Coordinated lidar observations of Saharan dust over Europe in the frame of EARLINET-ASOS project during CALIPSO overpasses: a strong dust case study analysis with modeling support. Proceedings of SPIE, 2009, , .	0.8	0
98	EARLINET coordinated lidar observations of Saharan dust events on continental scale. IOP Conference Series: Earth and Environmental Science, 2009, 7, 012002.	0.3	9
99	Aerosol single scattering albedo retrieval with various techniques in the UV and visible wavelength range. , 2009, , .		0
100	Spatial and temporal UV irradiance and aerosol variability within the area of an OMI satellite pixel. Atmospheric Chemistry and Physics, 2009, 9, 4593-4601.	4.9	51
101	Analysis of the EARLINET correlative measurements for CALIPSO. Proceedings of SPIE, 2009, , .	0.8	3
102	The History of Total Ozone Measurements; the Early Search for Signs of a Trend and an Update. , 2009, , 73-110.		4
103	EARLINET observations of the 14–22-May long-range dust transport event during SAMUM 2006: validation of results from dust transport modelling. Tellus, Series B: Chemical and Physical Meteorology, 2009, 61, .	1.6	2
104	Operational Monitoring of the Antarctic Ozone Hole: Transition from GOME and SCIAMACHY to GOME-2. , 2009, , 213-236.		0
105	Development of a computational system for estimating biogenic NMVOCs emissions based on GIS technology. Atmospheric Environment, 2008, 42, 1777-1789.	4.1	42
106	Validation of the Aura Ozone Monitoring Instrument total column ozone product. Journal of Geophysical Research, 2008, 113, .	3.3	173
107	Systematic lidar observations of Saharan dust over Europe in the frame of EARLINET (2000–2002). Journal of Geophysical Research, 2008, 113, .	3.3	295
108	The European Aerosol Research Lidar Network (EARLINET): An Overview. , 2008, , .		3

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109	Effects of anthropogenic emission sources on maximum ozone concentrations over Greece. Atmospheric Research, 2008, 89, 374-381.	4.1	36
110	Atmospheric effects of volcanic eruptions as seen by famous artists and depicted in their paintings. Atmospheric Chemistry and Physics, 2007, 7, 4027-4042.	4.9	46
111	Nine years of UV aerosol optical depth measurements at Thessaloniki, Greece. Atmospheric Chemistry and Physics, 2007, 7, 2091-2101.	4.9	107
112	Optical properties of cirrus clouds at a mid-latitude EARLINET station. , 2007, , .		0
113	Optimization of lidar data processing: a goal of the EARLINET-ASOS project. , 2007, , .		6
114	A European research infrastructure for the aerosol study on a continental scale: EARLINET-ASOS. , 2007, , .		5
115	Ten years of GOME/ERS2 total ozone dataâ€”The new GOME data processor (GDP) version 4: 2. Ground-based validation and comparisons with TOMS V7/V8. Journal of Geophysical Research, 2007, 112, .	3.3	61
116	Validation of Ozone Monitoring Instrument total ozone column measurements using Brewer and Dobson spectrophotometer groundâ€”based observations. Journal of Geophysical Research, 2007, 112, .	3.3	167
117	Search for Man-Made Cirrus Contrails over Southeast Asia. Terrestrial, Atmospheric and Oceanic Sciences, 2007, 18, 459.	0.6	5
118	A complex study of Etna's volcanic plume from groundâ€”based, in situ and spaceâ€”borne observations. International Journal of Remote Sensing, 2006, 27, 1855-1864.	2.9	16
119	Ten years of GOME/ERS-2 total ozone dataâ€”The new GOME data processor (GDP) version 4: 1. Algorithm description. Journal of Geophysical Research, 2006, 111, .	3.3	121
120	Optical characteristics of desert dust over the East Mediterranean during summer: a case study. Annales Geophysicae, 2006, 24, 807-821.	1.6	51
121	EARLINET-ASOS: programs and perspectives for the aerosol study on continental scale. , 2006, , .		5
122	Aerosol variability over Thessaloniki using ground based remote sensing observations and the TOMS aerosol index. Atmospheric Environment, 2006, 40, 5367-5378.	4.1	37
123	NO<sub>2</sub& and HCHO photolysis frequencies from irradiance measurements in Thessaloniki, Greece. Atmospheric Chemistry and Physics, 2005, 5, 1645-1653.	4.9	17
124	Measurements of Saharan dust aerosols over the Eastern Mediterranean using elastic backscatter-Raman lidar, spectrophotometric and satellite observations in the frame of the EARLINET project. Atmospheric Chemistry and Physics, 2005, 5, 2065-2079.	4.9	179
125	On the Retrieval of Volcanic Sulfur Dioxide Emissions from GOME Backscatter Measurements. Journal of Atmospheric Chemistry, 2005, 50, 295-320.	3.2	66
126	Sampling of an STT event over the Eastern Mediterranean region by lidar and electrochemical sonde. Annales Geophysicae, 2005, 23, 2039-2050.	1.6	16

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127	Solar activity–ozone relationships in the vertical distribution of ozone. International Journal of Remote Sensing, 2005, 26, 3449-3454.	2.9	5
128	Tropospheric ozone changes at unpolluted and semipolluted regions induced by stratospheric ozone changes. Journal of Geophysical Research, 2005, 110, .	3.3	75
129	Vertical aerosol distribution over Europe: Statistical analysis of Raman lidar data from 10 European Aerosol Research Lidar Network (EARLINET) stations. Journal of Geophysical Research, 2004, 109, .	3.3	151
130	Aerosol lidar intercomparison in the framework of the EARLINET project 1 Instruments. Applied Optics, 2004, 43, 961.	2.1	167
131	Aerosol lidar intercomparison in the framework of the EARLINET project 1 Instruments: erratum. Applied Optics, 2004, 43, 2578.	2.1	12
132	Actinic flux and O_3 photolysis frequencies retrieved from spectral measurements of irradiance at Thessaloniki, Greece. Atmospheric Chemistry and Physics, 2004, 4, 2215-2226.	4.9	20
133	Raman lidar and sunphotometric measurements of aerosol optical properties over Thessaloniki, Greece during a biomass burning episode. Atmospheric Environment, 2003, 37, 4529-4538.	4.1	151
134	Observations of stratosphere-to-troposphere transport events over the eastern Mediterranean using a ground-based lidar system. Journal of Geophysical Research, 2003, 108, .	3.3	46
135	Climatological aspects of aerosol optical properties in Northern Greece. Atmospheric Chemistry and Physics, 2003, 3, 2025-2041.	4.9	120
136	Effects of different types of contrails to the photolysis rates of $J(O_3)$ and $J(NO_2)$. , 2002, , .		0
137	Effects of aerosol optical depth and single scattering albedo on surface UV irradiance. , 2002, 4482, 15.		2
138	Photochemical Activity and Solar Ultraviolet Radiation (PAUR) Modulation Factors: An overview of the project. Journal of Geophysical Research, 2002, 107, PAU 1-1.	3.3	81
139	A case study on the possible link between surface ozone photochemistry and total ozone column during the PAUR II experiment at Crete: Comparison of observations with box model calculations. Journal of Geophysical Research, 2002, 107, PAU 3-1.	3.3	18
140	Regional levels of ozone in the troposphere over eastern Mediterranean. Journal of Geophysical Research, 2002, 107, PAU 7-1.	3.3	74
141	Photochemical activity over the eastern mediterranean under variable environmental conditions. Physics and Chemistry of the Earth, Part C: Solar, Terrestrial and Planetary Science, 2001, 26, 549-554.	0.2	4
142	Changes in surface UV solar irradiance and ozone over the balkans during the eclipse of August 11, 1999. Advances in Space Research, 2001, 27, 1955-1963.	2.6	43
143	Comparison of measured and modeled surface ozone concentrations at two different sites in Europe during the solar eclipse on August 11, 1999. Atmospheric Environment, 2001, 35, 4663-4673.	4.1	24
144	A note on the interannual variations of UV-B erythral doses and solar irradiance from ground-based and satellite observations. Annales Geophysicae, 2001, 19, 115-120.	1.6	21

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145	STUDY OF THE AEROSOL EFFECT ON THE UV-B IRRADIANCE AT THE EARTH'S SURFACE. CASES STUDIES SELECTED FROM URBAN SITES IN THE FRAME OF THE EARLINET PROJECT. <i>Journal of Aerosol Science</i> , 2001, 32, 391-392.	3.8	0
146	On changes of spectral UV-B in the 90's in Europe. <i>Advances in Space Research</i> , 2000, 26, 1971-1978.	2.6	6
147	Tropospheric LIDAR aerosol measurements and sun photometric observations at Thessaloniki, Greece. <i>Atmospheric Environment</i> , 2000, 34, 925-932.	4.1	62
148	Benzene and toluene levels measured with a commercial DOAS system in Thessaloniki, Greece. <i>Atmospheric Environment</i> , 2000, 34, 1471-1480.	4.1	42
149	A European aerosol research lidar network to establish an aerosol climatology (EARLINET). <i>Journal of Aerosol Science</i> , 2000, 31, 592-593.	3.8	19
150	Chemical Ozone Loss in the Arctic Winter 1994/95 as Determined by the Match Technique. <i>Journal of Atmospheric Chemistry</i> , 1999, 32, 35-59.	3.2	90
151	Evaporative traffic hydrocarbon emissions, traffic CO and speciated HC traffic emissions from the city of Athens. <i>Atmospheric Environment</i> , 1999, 33, 3831-3842.	4.1	57
152	Design of a new DIAL system for tropospheric and lower stratospheric ozone monitoring in Northern Greece. <i>Physics and Chemistry of the Earth, Part C: Solar, Terrestrial and Planetary Science</i> , 1999, 24, 439-442.	0.2	4
153	Essential characteristics of the Antarctic-Spring Ozone Decline: Update to 1998. <i>Geophysical Research Letters</i> , 1999, 26, 1377-1380.	4.0	33
154	Characterization of the vertical structure of Saharan dust export to the Mediterranean basin. <i>Journal of Geophysical Research</i> , 1999, 104, 22257-22270.	3.3	186
155	Study of the structure of the lower troposphere over Athens using a backscattering lidar during the MEDCAPOT-TRACE experiment. <i>Atmospheric Environment</i> , 1998, 32, 2161-2172.	4.1	15
156	Role of urban and suburban aerosols on solar UV radiation over Athens, Greece. <i>Atmospheric Environment</i> , 1998, 32, 2193-2201.	4.1	54
157	Atmospheric aerosol and gaseous species in Athens, Greece. <i>Atmospheric Environment</i> , 1998, 32, 2183-2191.	4.1	71
158	Ozone episodes in Athens, Greece. a modelling approach using data from the medcaphot-trace. <i>Atmospheric Environment</i> , 1998, 32, 2313-2321.	4.1	61
159	A summer air-pollution study in Athens, Greece. <i>Atmospheric Environment</i> , 1998, 32, 2071-2087.	4.1	59
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