Dimitrios Balis

List of Publications by Year
in descending order

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166 papers	7,104 citations	66343 42 h-index	74163 75 g-index
237 all docs	237 docs citations	237 times ranked	5441 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. Experimental Astronomy, 2011, 32, 193-316.	3.7	640
2	Introducing the CTA concept. Astroparticle Physics, 2013, 43, 3-18.	4.3	504
3	Systematic lidar observations of Saharan dust over Europe in the frame of EARLINET (2000â€“2002). Journal of Geophysical Research, 2008, 113, .	3.3	295
4	Characterization of the vertical structure of Saharan dust export to the Mediterranean basin. Journal of Geophysical Research, 1999, 104, 22257-22270.	3.3	186
5	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
6	Validation of the Aura Ozone Monitoring Instrument total column ozone product. Journal of Geophysical Research, 2008, 113, .	3.3	173
7	Aerosol lidar intercomparison in the framework of the EARLINET project 1 Instruments. Applied Optics, 2004, 43, 961.	2.1	167
8	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
9	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
10	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
11	EARLINET correlative measurements for CALIPSO: First intercomparison results. Journal of Geophysical Research, 2010, 115, .	3.3	148
12	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
13	Climatological aspects of aerosol optical properties in Northern Greece. Atmospheric Chemistry and Physics, 2003, 3, 2025-2041.	4.9	120
14	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
15	Optical properties of tropospheric aerosols determined by lidar and spectrophotometric measurements (Photochemical Activity and Solar Ultraviolet Radiation campaign). Applied Optics, 1997, 36, 6875.	2.1	112
16	Nine years of UV aerosol optical depth measurements at Thessaloniki, Greece. Atmospheric Chemistry and Physics, 2007, 7, 2091-2101.	4.9	107
17	Four-dimensional distribution of the 2010 EyjafjallajÃ¶kull volcanic cloud over Europe observed by EARLINET. Atmospheric Chemistry and Physics, 2013, 13, 4429-4450.	4.9	95
18	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

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19	Chemical Ozone Loss in the Arctic Winter 1994/95 as Determined by the Match Technique. Journal of Atmospheric Chemistry, 1999, 32, 35-59.	3.2	90
20	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
21	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
22	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
23	A methodology for investigating dust model performance using synergistic EARLINET/AERONET dust concentration retrievals. Atmospheric Measurement Techniques, 2015, 8, 3577-3600.	3.1	76
24	Tropospheric ozone changes at unpolluted and semipolluted regions induced by stratospheric ozone changes. Journal of Geophysical Research, 2005, 110, .	3.3	75
25	Regional levels of ozone in the troposphere over eastern Mediterranean. Journal of Geophysical Research, 2002, 107, PAU 7-1.	3.3	74
26	Atmospheric aerosol and gaseous species in Athens, Greece. Atmospheric Environment, 1998, 32, 2183-2191.	4.1	71
27	On the Retrieval of Volcanic Sulfur Dioxide Emissions from GOME Backscatter Measurements. Journal of Atmospheric Chemistry, 2005, 50, 295-320.	3.2	66
28	Homogenized total ozone data records from the European sensors GOME/ERSâ€2, SCIAMACHY/Envisat, and GOMEâ€2/MetOpâ€A. Journal of Geophysical Research D: Atmospheres, 2014, 119, 1639-1662.	3.3	63
29	Tropospheric LIDAR aerosol measurements and sun photometric observations at Thessaloniki, Greece. Atmospheric Environment, 2000, 34, 925-932.	4.1	62
30	Ozone episodes in Athens, Greece. a modelling approach using data from the medcaphot-trace. Atmospheric Environment, 1998, 32, 2313-2321.	4.1	61
31	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
32	A summer air-pollution study in Athens, Greece. Atmospheric Environment, 1998, 32, 2071-2087.	4.1	59
33	Smoke injection heights from agricultural burning in Eastern Europe as seen by CALIPSO. Atmospheric Chemistry and Physics, 2010, 10, 11567-11576.	4.9	59
34	Evaporative traffic hydrocarbon emissions, traffic CO and speciated HC traffic emissions from the city of Athens. Atmospheric Environment, 1999, 33, 3831-3842.	4.1	57
35	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
36	Global long-term monitoring of the ozone layer â€“ a prerequisite for predictions. International Journal of Remote Sensing, 2009, 30, 4295-4318.	2.9	55

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37	Role of urban and suburban aerosols on solar UV radiation over Athens, Greece. Atmospheric Environment, 1998, 32, 2193-2201.	4.1	54
38	Optical characteristics of desert dust over the East Mediterranean during summer: a case study. Annales Geophysicae, 2006, 24, 807-821.	1.6	51
39	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
40	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
41	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
42	EARLINET observations of the 14â€“22-May long-range dust transport event during SAMUM 2006: validation of results from dust transport modelling. Tellus, Series B: Chemical and Physical Meteorology, 2022, 61, 325.	1.6	47
43	Sixteen years of GOME/ERSâ€2 total ozone data: The new directâ€fitting GOME Data Processor (GDP) version 5â€”Algorithm description. Journal of Geophysical Research, 2012, 117, .	3.3	47
44	The vertical distribution of volcanic SO₂ plumes measured by IASI. Atmospheric Chemistry and Physics, 2016, 16, 4343-4367.	4.9	47
45	Validation of the IASI FORLI/EUMETSAT ozone products using satellite (GOME-2), ground-based (Brewerâ€“Dobson, SAOZ, FTIR) and ozonesonde measurements. Atmospheric Measurement Techniques, 2018, 11, 5125-5152.	3.1	47
46	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
47	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
48	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
49	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
50	Optical properties and vertical extension of aged ash layers over the Eastern Mediterranean as observed by Raman lidars during the EyjafjallajÃ¶kull eruption in May 2010. Atmospheric Environment, 2012, 48, 56-65.	4.1	45
51	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
52	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
53	Comparisons of ground-based tropospheric NO₂ 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
54	Updated SO₂ emission estimates over China using OMI/Aura observations. Atmospheric Measurement Techniques, 2018, 11, 1817-1832.	3.1	43

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55	Benzene and toluene levels measured with a commercial DOAS system in Thessaloniki, Greece. Atmospheric Environment, 2000, 34, 1471-1480.	4.1	42
56	Development of a computational system for estimating biogenic NMVOCs emissions based on GIS technology. Atmospheric Environment, 2008, 42, 1777-1789.	4.1	42
57	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
58	Quasi-biennial and longer-term changes in clear sky UV-B solar irradiance. Geophysical Research Letters, 1998, 25, 4345-4348.	4.0	38
59	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
60	Aerosol variability over Thessaloniki using ground based remote sensing observations and the TOMS aerosol index. Atmospheric Environment, 2006, 40, 5367-5378.	4.1	37
61	Effects of anthropogenic emission sources on maximum ozone concentrations over Greece. Atmospheric Research, 2008, 89, 374-381.	4.1	36
62	Essential characteristics of the Antarctic-Spring Ozone Decline: Update to 1998. Geophysical Research Letters, 1999, 26, 1377-1380.	4.0	33
63	Global validation of empirically corrected EPâ€Total Ozone Mapping Spectrometer (TOMS) total ozone columns using Brewer and Dobson groundâ€based measurements. Journal of Geophysical Research, 2010, 115, .	3.3	33
64	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
65	TEMIS UV product validation using NILU-UV ground-based measurements in Thessaloniki, Greece. Atmospheric Chemistry and Physics, 2017, 17, 7157-7174.	4.9	32
66	Sudden changes in nitrogen dioxide emissions over Greece due to lockdown after the outbreak of COVID-19. Atmospheric Chemistry and Physics, 2021, 21, 1759-1774.	4.9	32
67	Evaluation of high resolution simulated and OMI retrieved tropospheric NO2 column densities over Southeastern Europe. Atmospheric Research, 2013, 122, 55-66.	4.1	31
68	Attribution of the Arctic ozone column deficit in March 2011. Geophysical Research Letters, 2012, 39, .	4.0	30
69	Evaluating a new homogeneous total ozone climate data record from GOME/ERSâ€2, SCIAMACHY/Envisat, and GOMEâ€2/MetOpâ€A. Journal of Geophysical Research D: Atmospheres, 2015, 120, 12,296.	3.3	29
70	Further ozone decline during the northern hemisphere winter-spring of 1994-1995 and the new record low ozone over Siberia. Geophysical Research Letters, 1995, 22, 2729-2732.	4.0	27
71	Quality assessment of the Ozone_cci Climate Research Data Package (release 2017) â€“ Part 1: Ground-based validation of total ozone column data products. Atmospheric Measurement Techniques, 2018, 11, 1385-1402.	3.1	26
72	Identification of surface NO x emission sources on a regional scale using OMI NO 2. Atmospheric Environment, 2015, 101, 82-93.	4.1	25

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73	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
74	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
75	Are EARLINET and AERONET climatologies consistent? The case of Thessaloniki, Greece. Atmospheric Chemistry and Physics, 2018, 18, 11885-11903.	4.9	24
76	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
77	Ozone and Spectroradiometric UV Changes in the Past 20 Years over High Latitudes. Atmosphere - Ocean, 2015, 53, 117-125.	1.6	23
78	OMI/Aura UV product validation using NILU-UV ground-based measurements in Thessaloniki, Greece. Atmospheric Environment, 2016, 140, 283-297.	4.1	22
79	A First Case Study of CCN Concentrations from Spaceborne Lidar Observations. Remote Sensing, 2020, 12, 1557.	4.0	22
80	MAX-DOAS NO₂ observations over Guangzhou, China; ground-based and satellite comparisons. Atmospheric Measurement Techniques, 2018, 11, 2239-2255.	3.1	21
81	A note on the interannual variations of UV-B erythemal doses and solar irradiance from ground-based and satellite observations. Annales Geophysicae, 2001, 19, 115-120.	1.6	21
82	Actinic flux and O¹D photolysis frequencies retrieved from spectral measurements of irradiance at Thessaloniki, Greece. Atmospheric Chemistry and Physics, 2004, 4, 2215-2226.	4.9	20
83	Biomass burning events measured by lidars in EARLINET â€“ Part 1: Data analysis methodology. Atmospheric Chemistry and Physics, 2020, 20, 13905-13927.	4.9	20
84	A European aerosol research lidar network to establish an aerosol climatology (EARLINET). Journal of Aerosol Science, 2000, 31, 592-593.	3.8	19
85	Variability in cirrus cloud properties using a Polly^{XT} Raman lidar over high and tropical latitudes. Atmospheric Chemistry and Physics, 2020, 20, 4427-4444.	4.9	19
86	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
87	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
88	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
89	NO₂ and HCHO photolysis frequencies from irradiance measurements in Thessaloniki, Greece. Atmospheric Chemistry and Physics, 2005, 5, 1645-1653.	4.9	17
90	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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91	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
92	Validation of OMI erythemal doses with multi-sensor ground-based measurements in Thessaloniki, Greece. Atmospheric Environment, 2018, 183, 106-121.	4.1	16
93	EARLINET evaluation of the CATS Level 2 aerosol backscatter coefficient product. Atmospheric Chemistry and Physics, 2019, 19, 11743-11764.	4.9	16
94	Is the near-spherical shape the â€œnew blackâ€•for smoke?. Atmospheric Chemistry and Physics, 2020, 20, 14005-14021.	4.9	16
95	Study of the structure of the lower troposphere over Athens using a backscattering lidar during the MEDCAPOT-TRACE experiment. Atmospheric Environment, 1998, 32, 2161-2172.	4.1	15
96	Estimation of the microphysical aerosol properties over Thessaloniki, Greece, during the SCOUTâ€Œ‹sub›3‹/sub› campaign with the synergy of Raman lidar and Sun photometer data. Journal of Geophysical Research, 2010, 115, .	3.3	15
97	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
98	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
99	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
100	An EARLINET early warning system for atmospheric aerosol aviation hazards. Atmospheric Chemistry and Physics, 2020, 20, 10775-10789.	4.9	15
101	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
102	Validation of ash optical depth and layer height retrieved from passive satellite sensors using EARLINET and airborne lidar data: the case of the EyjafjallajÃ¶kull eruption. Atmospheric Chemistry and Physics, 2016, 16, 5705-5720.	4.9	13
103	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
104	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
105	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
106	Aerosol lidar intercomparison in the framework of the EARLINET project 1 Instruments: erratum. Applied Optics, 2004, 43, 2578.	2.1	12
107	Aerosol Effect on the Cloud Phase of Lowâ€Level Clouds Over the Arctic. Journal of Geophysical Research D: Atmospheres, 2019, 124, 7886-7899.	3.3	12
108	Evaluation of the LOTOS-EUROS NO₂ simulations using ground-based measurements and S5P/TROPOMI observations over Greece. Atmospheric Chemistry and Physics, 2021, 21, 5269-5288.	4.9	12

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109	Comparison of models used for UV index calculations. Photochemistry and Photobiology, 1998, 67, 657-62.	2.5	11
110	EARLINET coordinated lidar observations of Saharan dust events on continental scale. IOP Conference Series: Earth and Environmental Science, 2009, 7, 012002.	0.3	9
111	EARLINET observations of the EyjafjallajÃƒÂƒÃ‚Â¶kull ash plume over Europe. , 2010, , .		9
112	FTIR Measurements of Greenhouse Gases over Thessaloniki, Greece in the Framework of COCCON and Comparison with S5P/TROPOMI Observations. Remote Sensing, 2021, 13, 3395.	4.0	9
113	Evaluating the assimilation of S5P/TROPOMI near real-time SO₂ columns and layer height data into the CAMS integrated forecasting system (CY47R1), based on a case study of the 2019 Raikoke eruption. Geoscientific Model Development, 2022, 15, 971-994.	3.6	9
114	Retrieval of tropospheric aerosol, NO₂, and HCHO vertical profiles from MAX-DOAS observations over Thessaloniki, Greece: intercomparison and validation of two inversion algorithms. Atmospheric Measurement Techniques, 2022, 15, 1269-1301.	3.1	8
115	Variability of solar UV-B radiation at high and middle latitudes during EASOE 1991/92. Geophysical Research Letters, 1994, 21, 1403-1406.	4.0	7
116	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
117	Quality assessment of the Ozone_cci Climate Research Data Package (releaseÂ2017) â€“ PartÂ2: Ground-based validation of nadir ozone profile data products. Atmospheric Measurement Techniques, 2018, 11, 3769-3800.	3.1	7
118	Effect of Aerosols, Tropospheric NO2 and Clouds on Surface Solar Radiation over the Eastern Mediterranean (Greece). Remote Sensing, 2021, 13, 2587.	4.0	7
119	Intercomparison of Metop-A SO2 measure- ments during the 2010- 2011 Icelandic eruptions. Annals of Geophysics, 2015, 57, .	1.0	7
120	Ground-based measurements of Saharan dust optical properties in the frame of the European MEDUSE Project. Journal of Aerosol Science, 1997, 28, S695-S696.	3.8	6
121	On changes of spectral UV-B in the 90's in Europe. Advances in Space Research, 2000, 26, 1971-1978.	2.6	6
122	Optimization of lidar data processing: a goal of the EARLINET-ASOS project. , 2007, , .		6
123	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
124	Solar activityâ€“ozone relationships in the vertical distribution of ozone. International Journal of Remote Sensing, 2005, 26, 3449-3454.	2.9	5
125	EARLINET-ASOS: programs and perspectives for the aerosol study on continental scale. , 2006, , .		5
126	A European research infrastructure for the aerosol study on a continental scale: EARLINET-ASOS. , 2007, , .		5

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127	Consistency of the Single Calculus Chain Optical Products with Archived Measurements from an EARLINET Lidar Station. Remote Sensing, 2020, 12, 3969.	4.0	5
128	The effect of considering polar vortex dynamics in the validation of satellite total ozone observations. Atmospheric Research, 2020, 238, 104870.	4.1	5
129	First validation of GOME-2/MetOp absorbing aerosol height using EARLINET lidar observations. Atmospheric Chemistry and Physics, 2021, 21, 3193-3213.	4.9	5
130	Changes in Power Plant NOx Emissions over Northwest Greece Using a Data Assimilation Technique. Atmosphere, 2021, 12, 900.	2.3	5
131	Search for Man-Made Cirrus Contrails over Southeast Asia. Terrestrial, Atmospheric and Oceanic Sciences, 2007, 18, 459.	0.6	5
132	A New Separation Methodology for the Maritime Sector Emissions over the Mediterranean and Black Sea Regions. Atmosphere, 2021, 12, 1478.	2.3	5
133	Volcanic SO₂ layer height by TROPOMI/S5P: evaluation against IASI/MetOp and CALIOP/CALIPSO observations. Atmospheric Chemistry and Physics, 2022, 22, 5665-5683.	4.9	5
134	Design of a new DIAL system for tropospheric and lower stratospheric ozone monitoring in Northern Greece. Physics and Chemistry of the Earth, Part C: Solar, Terrestrial and Planetary Science, 1999, 24, 439-442.	0.2	4
135	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
136	Phaethon: A System for the Validation of Satellite Derived Atmospheric Columns of Trace Gases. Springer Atmospheric Sciences, 2013, , 1081-1088.	0.3	4
137	The History of Total Ozone Measurements; the Early Search for Signs of a Trend and an Update. , 2009, , 73-110.		4
138	The European Aerosol Research Lidar Network (EARLINET): An Overview. , 2008, , .		3
139	Characteristics of the ozone decline over both hemispheres. International Journal of Remote Sensing, 2009, 30, 3887-3895.	2.9	3
140	Analysis of the EARLINET correlative measurements for CALIPSO. Proceedings of SPIE, 2009, , .	0.8	3
141	Air Quality in Two Northern Greek Cities Revealed by Their Tropospheric NO2 Levels. Atmosphere, 2022, 13, 840.	2.3	3
142	<title>Effects of aerosol optical depth and single scattering albedo on surface UV irradiance</title>. , 2002, 4482, 15.		2
143	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
144	Vertical resolved separation of aerosol types using CALIPSO level-2 product. Proceedings of SPIE, 2011, , .	0.8	2

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145	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
146	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
147	EARLINET observations of the 14â€“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
148	EARLINET: the European Aerosol Research Lidar Network for the Aerosol Climatology on Continental Scale. , 2009, , .		1
149	Validation of CALIPSO level-2 products using a ground based lidar in Thessaloniki, Greece. Proceedings of SPIE, 2011, , .	0.8	1
150	EARLINET: 12-year of Aerosol Profiling over Europe. EPJ Web of Conferences, 2016, 119, 19002.	0.3	1
151	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
152	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
153	On the daily maximum UV-B doses during the significant ozone deficiencies in the transition seasons of 1992/93. Advances in Space Research, 1998, 22, 1505-1508.	2.6	0
154	<title>Effects of different types of contrails to the photolysis rates of J(O<formula>^{<roman>1</roman>}</formula>D) and J(N0<formula><inf><roman>2</roman></inf></formula>)</title>. , 2002, , .		0
155	Optical properties of cirrus clouds at a mid-latitude EARLINET station. , 2007, , .		0
156	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
157	Aerosol single scattering albedo retrieval with various techniques in the UV and visible wavelength range. , 2009, , .		0
158	Variability of Shortwave and Longwave Radiation over Europe as Derived from International Satellite Cloud Climatology Project. , 2010, , .		0
159	Forest Fire Aerosols: Vertically Resolved Optical and Microphysical Properties and Mass Concentration from Lidar Observations. Springer Atmospheric Sciences, 2013, , 905-910.	0.3	0
160	A Sensitivity Study of Liric Algorithm to User-defined Input Parameters, Using Selected Cases from Thessalonikiâ€™s Measurements. EPJ Web of Conferences, 2016, 119, 23027.	0.3	0
161	Validation of ASH Optical Depth and Layer Height from IASI using Earlinet Lidar Data. EPJ Web of Conferences, 2016, 119, 07006.	0.3	0
162	Earlinet validation of CATS L2 product. EPJ Web of Conferences, 2018, 176, 02005.	0.3	0

#	Article	IF	Citations
163	STUDY OF THE AEROSOL EFFECT ON THE UV-B IRRADIANCE AT THE EARTHâ€™S SURFACE. CASES STUDIES SELECTED FROM URBAN SITES IN THE FRAME OF THE EARLINET PROJECT. Journal of Aerosol Science, 2001, 32, 391-392.	3.8	0
164	Operational Monitoring of the Antarctic Ozone Hole: Transition from GOME and SCIAMACHY to GOME-2. , 2009, , 213-236.		0
165	Evaluation of CALIPSOâ€™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
166	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