

Eleni Marinou

List of Publications by Year in descending order

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63
papers

2,284
citations

304368

22
h-index

233125

45
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125
all docs

125
docs citations

125
times ranked

2259
citing authors

#	ARTICLE	IF	CITATIONS
1	The automated multiwavelength Raman polarization and water-vapor lidar Polly<sup>XT</sup>; the neXT generation. Atmospheric Measurement Techniques, 2016, 9, 1767-1784.	1.2	249
2	An overview of the first decade of Polly<sup>NET</sup>; an emerging network of automated Raman-polarization lidars for continuous aerosol profiling. Atmospheric Chemistry and Physics, 2016, 16, 5111-5137.	1.9	212
3	Optimizing CALIPSO Saharan dust retrievals. Atmospheric Chemistry and Physics, 2013, 13, 12089-12106.	1.9	120
4	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.	1.9	117
5	Nine-year spatial and temporal evolution of desert dust aerosols over South and East Asia as revealed by CALIOP. Atmospheric Chemistry and Physics, 2018, 18, 1337-1362.	1.9	112
6	Two decades of satellite observations of AOD over mainland China using ATSR-2, AATSR and MODIS/Terra: data set evaluation and large-scale patterns. Atmospheric Chemistry and Physics, 2018, 18, 1573-1592.	1.9	105
7	LIVAS: a 3-D multi-wavelength aerosol/cloud database based on CALIPSO and EARLINET. Atmospheric Chemistry and Physics, 2015, 15, 7127-7153.	1.9	94
8	Dust impact on surface solar irradiance assessed with model simulations, satellite observations and ground-based measurements. Atmospheric Measurement Techniques, 2017, 10, 2435-2453.	1.2	89
9	EUREC<sup>4</sup>. Earth System Science Data, 2021, 13, 4067-4119.	3.7	88
10	Mediterranean intense desert dust outbreaks and their vertical structure based on remote sensing data. Atmospheric Chemistry and Physics, 2016, 16, 8609-8642.	1.9	85
11	Triple-wavelength depolarization-ratio profiling of Saharan dust over Barbados during SALTRACE in 2013 and 2014. Atmospheric Chemistry and Physics, 2017, 17, 10767-10794.	1.9	80
12	Spatiotemporal variability and contribution of different aerosol types to the aerosol optical depth over the Eastern Mediterranean. Atmospheric Chemistry and Physics, 2016, 16, 13853-13884.	1.9	71
13	Ice nucleating particles over the Eastern Mediterranean measured by unmanned aircraft systems. Atmospheric Chemistry and Physics, 2017, 17, 4817-4835.	1.9	62
14	Retrieval of ice-nucleating particle concentrations from lidar observations and comparison with UAV in situ measurements. Atmospheric Chemistry and Physics, 2019, 19, 11315-11342.	1.9	53
15	Spatial and seasonal variations of aerosols over China from two decades of multi-satellite observations â€œ Part 1: ATSR (1995â€œ2011) and MODIS C6.1 (2000â€œ2017). Atmospheric Chemistry and Physics, 2018, 18, 11389-11407.	1.9	52
16	ModIs Dust AeroSol (MIDAS): a global fine-resolution dust optical depth data set. Atmospheric Measurement Techniques, 2021, 14, 309-334.	1.2	51
17	Impact of the 2009 Attica wild fires on the air quality in urban Athens. Atmospheric Environment, 2012, 46, 536-544.	1.9	50
18	Remote sensing and modelling analysis of the extreme dust storm hitting the Middle East and eastern Mediterranean in September 2015. Atmospheric Chemistry and Physics, 2017, 17, 4063-4079.	1.9	50

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19	Vertical profiles of aerosol mass concentration derived by unmanned airborne in situ and remote sensing instruments during dust events. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 2897-2910.	1.2	50
20	GARRLiC and LIRIC: strengths and limitations for the characterization of dust and marine particles along with their mixtures. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 4995-5016.	1.2	42
21	An exploratory study on the aerosol height retrieval from OMI measurements of the 477 nm O ₂ spectral band using a neural network approach. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 783-809.		41
22	A novel post-processing algorithm for Halo Doppler lidars. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 839-852.	1.2	24
23	An Assessment of Atmospheric and Meteorological Factors Regulating Red Sea Phytoplankton Growth. <i>Remote Sensing</i> , 2018, 10, 673.	1.8	22
24	A First Case Study of CCN Concentrations from Spaceborne Lidar Observations. <i>Remote Sensing</i> , 2020, 12, 1557.	1.8	22
25	A 3-D evaluation of the MACC reanalysis dust product over Europe, northern Africa and Middle East using CALIOP/CALIPSO dust satellite observations. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 8601-8620.	1.9	21
26	On-flight intercomparison of three miniature aerosol absorption sensors using unmanned aerial systems (UAS). <i>Atmospheric Measurement Techniques</i> , 2019, 12, 6425-6447.	1.2	20
27	Evaluation of the BSC-DREAM8b regional dust model using the 3D LIVAS-CALIPSO product. <i>Atmospheric Environment</i> , 2018, 195, 46-62.	1.9	19
28	Quantification of the dust optical depth across spatiotemporal scales with the MIDAS global dataset (2003-2017). <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 3553-3578.	1.9	19
29	Impact of dust size parameterizations on aerosol burden and radiative forcing in RegCM4. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 769-791.	1.9	17
30	EARLINET evaluation of the CATS Level 2 aerosol backscatter coefficient product. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 11743-11764.	1.9	16
31	Is the near-spherical shape the "new black" for smoke?. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 14005-14021.	1.9	16
32	Airborne verification of CALIPSO products over the Amazon: a case study of daytime observations in a complex atmospheric scene. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 11871-11881.	1.9	14
33	Investigation of Volcanic Emissions in the Mediterranean: "The Etna-Antikythera Connection". <i>Atmosphere</i> , 2021, 12, 40.	1.0	11
34	Geometrical and Microphysical Properties of Clouds Formed in the Presence of Dust above the Eastern Mediterranean. <i>Remote Sensing</i> , 2021, 13, 5001.	1.8	11
35	Validation of LIRIC aerosol concentration retrievals using airborne measurements during a biomass burning episode over Athens. <i>Atmospheric Research</i> , 2017, 183, 255-267.	1.8	10
36	Assessing Sea-State Effects on Sea-Salt Aerosol Modeling in the Lower Atmosphere Using Lidar and In-Situ Measurements. <i>Remote Sensing</i> , 2021, 13, 614.	1.8	10

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37	The eVe reference polarisation lidar system for the calibration and validation of the Aeolus L2A product. <i>Atmospheric Measurement Techniques</i> , 2022, 15, 2299-2323.	1.2	10
38	Profiling aerosol optical, microphysical and hygroscopic properties in ambient conditions by combining in situ and remote sensing. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 83-107.	1.2	9
39	Cloud icing by mineral dust and impacts to aviation safety. <i>Scientific Reports</i> , 2021, 11, 6411.	1.6	9
40	Aerosols and lightning activity: The effect of vertical profile and aerosol type. <i>Atmospheric Research</i> , 2016, 182, 243-255.	1.8	8
41	Modeling and remote sensing of an indirect Pyro-Cb formation and biomass transport from Portugal wildfires towards Europe. <i>Atmospheric Environment</i> , 2019, 206, 303-315.	1.9	8
42	The potential of elastic and polarization lidars to retrieve extinction profiles. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 893-905.	1.2	6
43	Aerosol absorption profiling from the synergy of lidar and sun-photometry: the ACTRIS-2 campaigns in Germany, Greece and Cyprus. <i>EPJ Web of Conferences</i> , 2018, 176, 08005.	0.1	5
44	Assimilating spaceborne lidar dust extinction can improve dust forecasts. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 535-560.	1.9	5
45	Observation of Arabian and Saharan Dust in Cyprus with a New Generation of the Smart Raman Lidar Polly. <i>EPJ Web of Conferences</i> , 2016, 119, 27003.	0.1	3
46	Mineralogy Sensitive Immersion Freezing Parameterization in DREAM. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	1.2	3
47	Deployment of the C-band radar Poldirad on Barbados during EUREC<sup>4</sup<sup>A. <i>Earth System Science Data</i> , 2021, 13, 5899-5914.	3.7	3
48	Application of the Garrlic Algorithm for the Characterization of Dust and Marine Particles Utilizing the Lidar-Sunphotometer Synergy. <i>EPJ Web of Conferences</i> , 2016, 119, 23021.	0.1	2
49	Is Near-Spherical Shape ðœthe New Blackðœfor Smoke ?. <i>EPJ Web of Conferences</i> , 2020, 237, 02017.	0.1	2
50	3D Structure of Saharan Dust Transport Towards Europe as Seen by CALIPSO. <i>EPJ Web of Conferences</i> , 2016, 119, 18007.	0.1	1
51	A 3-D Evaluation of the MACC Reanalysis Dust Product Over Europe Using CALIOP/CALIPSO Satellite Observations. <i>Springer Atmospheric Sciences</i> , 2017, , 795-800.	0.4	1
52	PollyNET - an emerging network of automated raman-polarization lidars for continuous aerosolprofiling. <i>EPJ Web of Conferences</i> , 2018, 176, 09013.	0.1	1
53	A methodology for cloud masking uncalibrated lidar signals. <i>EPJ Web of Conferences</i> , 2018, 176, 05048.	0.1	1
54	Measurements of particle backscatter, extinction, and lidar ratio at 1064 nm with the rotational raman method in Polly-XT. <i>EPJ Web of Conferences</i> , 2018, 176, 01004.	0.1	1

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55	Utilizing The Synergy of Airborne Backscatter Lidar and In-Situ Measurements for Evaluating CALIPSO. EPJ Web of Conferences, 2016, 119, 04007.	0.1	0
56	Development of a Dust Assimilation System for NMM-DREAM Model Based on MSG-SEVIRI Satellite Observations. Springer Atmospheric Sciences, 2017, , 801-807.	0.4	0
57	Earlinet validation of CATS L2 product. EPJ Web of Conferences, 2018, 176, 02005.	0.1	0
58	Studies on mineral dust using airborne lidar, ground-based remote sensing, and in situ instrumentation. EPJ Web of Conferences, 2018, 176, 10001.	0.1	0
59	Lidar Ice nuclei estimates and how they relate with airborne in-situ measurements. EPJ Web of Conferences, 2018, 176, 05018.	0.1	0
60	Aerosol - Cloud Target Classification in HALO Lidar/Radar Collocated Measurements. EPJ Web of Conferences, 2020, 237, 08002.	0.1	0
61	Simulated Dust Over the Sahara and Mediterranean with a Regional Climate Model (RegCM4). Springer Atmospheric Sciences, 2017, , 615-620.	0.4	0
62	The ESA-EVE Polarization Lidar for Assessing the Aeolus Aerosol Product Performance. EPJ Web of Conferences, 2020, 237, 07025.	0.1	0
63	Advancing the remote sensing of desert dust. , 2019, , .		0