Eleni Marinou

List of Publications by Year
in descending order

63 papers	2,284 citations	304743 22 h-index	233421 45 g-index
125 all docs	125 docs citations	125 times ranked	2259 citing authors

#	ARTICLE	IF	CITATIONS
1	Assimilating spaceborne lidar dust extinction can improve dust forecasts. Atmospheric Chemistry and Physics, 2022, 22, 535-560.	4.9	5
2	Mineralogy Sensitive Immersion Freezing Parameterization in DREAM. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	3
3	Quantification of the dust optical depth across spatiotemporal scales with the MIDAS global dataset (2003–2017). Atmospheric Chemistry and Physics, 2022, 22, 3553-3578.	4.9	19
4	The eVe reference polarisation lidar system for the calibration and validation of the Aeolus L2A product. Atmospheric Measurement Techniques, 2022, 15, 2299-2323.	3.1	10
5	ModIs Dust AeroSol (MIDAS): a global fine-resolution dust optical depth data set. Atmospheric Measurement Techniques, 2021, 14, 309-334.	3.1	51
6	Assessing Sea-State Effects on Sea-Salt Aerosol Modeling in the Lower Atmosphere Using Lidar and In-Situ Measurements. Remote Sensing, 2021, 13, 614.	4.0	10
7	Cloud icing by mineral dust and impacts to aviation safety. Scientific Reports, 2021, 11, 6411.	3.3	9
8	EUREC&lt;sup&gt;4&lt;/sup&gt;A. Earth System Science Data, 2021, 13, 4067-4119.	9.9	88
9	Investigation of Volcanic Emissions in the Mediterranean: "The Etna–Antikythera Connection". Atmosphere, 2021, 12, 40.	2.3	11
10	Geometrical and Microphysical Properties of Clouds Formed in the Presence of Dust above the Eastern Mediterranean. Remote Sensing, 2021, 13, 5001.	4.0	11
11	Deployment of the C-band radar Poldirad on Barbados during EUREC&lt;sup&gt;4&lt;/sup&gt;A. Earth System Science Data, 2021, 13, 5899-5914.	9.9	3
12	Is Near-Spherical Shape "the New Black" for Smoke ?. EPJ Web of Conferences, 2020, 237, 02017.	0.3	2
13	Aerosol - Cloud Target Classification in HALO Lidar/Radar Collocated Measurements. EPJ Web of Conferences, 2020, 237, 08002.	0.3	0
14	A First Case Study of CCN Concentrations from Spaceborne Lidar Observations. Remote Sensing, 2020, 12, 1557.	4.0	22
15	The potential of elastic and polarization lidars to retrieve extinction profiles. Atmospheric Measurement Techniques, 2020, 13, 893-905.	3.1	6
16	Is the near-spherical shape the "new black" for smoke?. Atmospheric Chemistry and Physics, 2020, 20, 14005-14021.	4.9	16
17	The ESA-EVE Polarization Lidar for Assessing the Aeolus Aerosol Product Perfomance. EPJ Web of Conferences, 2020, 237, 07025.	0.3	0
18	EARLINET evaluation of the CATS Level 2 aerosol backscatter coefficient product. Atmospheric Chemistry and Physics, 2019, 19, 11743-11764.	4.9	16

#	Article	IF	Citations
19	Retrieval of ice-nucleating particle concentrations from lidar observations and comparison with UAV in situ measurements. Atmospheric Chemistry and Physics, 2019, 19, 11315-11342.	4.9	53
20	Modeling and remote sensing of an indirect Pyro-Cb formation and biomass transport from Portugal wildfires towards Europe. Atmospheric Environment, 2019, 206, 303-315.	4.1	8
21	A novel post-processing algorithm for Halo Doppler lidars. Atmospheric Measurement Techniques, 2019, 12, 839-852.	3.1	24
22	On-flight intercomparison of three miniature aerosol absorption sensors using unmanned aerial systems (UASs). Atmospheric Measurement Techniques, 2019, 12, 6425-6447.	3.1	20
23	Advancing the remote sensing of desert dust. , 2019, , .		0
24	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.	4.9	112
25	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.	4.9	105
26	A 3-D evaluation of the MACC reanalysis dust product over Europe, northern Africa and Middle East using CALIOP/CALIPSO dust satellite observations. Atmospheric Chemistry and Physics, 2018, 18, 8601-8620.	4.9	21
27	PollyNET - an emerging network of automated raman-polarizarion lidars for continuous aerosolprofiling. EPJ Web of Conferences, 2018, 176, 09013.	0.3	1
28	A methodology for cloud masking uncalibrated lidar signals. EPJ Web of Conferences, 2018, 176, 05048.	0.3	1
29	Measurements of particle backscatter, extinction, and lidar ratio at 1064 nm with the rotational raman method in Polly-XT. EPJ Web of Conferences, 2018, 176, 01004.	0.3	1
30	Earlinet validation of CATS L2 product. EPJ Web of Conferences, 2018, 176, 02005.	0.3	0
31	Studies on mineral dust using airborne lidar, ground-based remote sensing, and in situ instrumentation. EPJ Web of Conferences, 2018, 176, 10001.	0.3	0
32	Vertical profiles of aerosol mass concentration derived by unmanned airborne in situ and remote sensing instruments during dust events. Atmospheric Measurement Techniques, 2018, 11, 2897-2910.	3.1	50
33	Evaluation of the BSC-DREAM8b regional dust model using the 3D LIVAS-CALIPSO product. Atmospheric Environment, 2018, 195, 46-62.	4.1	19
34	An Assessment of Atmospheric and Meteorological Factors Regulating Red Sea Phytoplankton Growth. Remote Sensing, 2018, 10, 673.	4.0	22
35	Aerosol absorption profiling from the synergy of lidar and sun-photometry: the ACTRIS-2 campaigns in Germany, Greece and Cyprus. EPJ Web of Conferences, 2018, 176, 08005.	0.3	5
36	Spatial and seasonal variations of aerosols over China from two decades of multi-satellite observations – Part 1: ATSR (1995–2011) and MODIS C6.1 (2000–2017). Atmospheric Chemistry and Physics, 2018, 18, 11389-11407.	4.9	52

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37	Lidar Ice nuclei estimates and how they relate with airborne in-situ measurements. EPJ Web of Conferences, 2018, 176, 05018.	0.3	0
38	Validation of LIRIC aerosol concentration retrievals using airborne measurements during a biomass burning episode over Athens. Atmospheric Research, 2017, 183, 255-267.	4.1	10
39	A 3-D Evaluation of the MACC Reanalysis Dust Product Over Europe Using CALIOP/CALIPSO Satellite Observations. Springer Atmospheric Sciences, 2017, , 795-800.	0.3	1
40	Development of a Dust Assimilation System for NMM-DREAM Model Based on MSG-SEVIRI Satellite Observations. Springer Atmospheric Sciences, 2017, , 801-807.	0.3	0
41	Remote sensing and modelling analysis of the extreme dust storm hitting the Middle East and eastern Mediterranean in SeptemberÂ2015. Atmospheric Chemistry and Physics, 2017, 17, 4063-4079.	4.9	50
42	Triple-wavelength depolarization-ratio profiling of Saharan dust over Barbados during SALTRACE in 2013 and 2014. Atmospheric Chemistry and Physics, 2017, 17, 10767-10794.	4.9	80
43	Ice nucleating particles over the Eastern Mediterranean measured by unmanned aircraft systems. Atmospheric Chemistry and Physics, 2017, 17, 4817-4835.	4.9	62
44	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
45	Impact of dust size parameterizations on aerosol burden and radiative forcing in RegCM4. Atmospheric Chemistry and Physics, 2017, 17, 769-791.	4.9	17
46	GARRLiC and LIRIC: strengths and limitations for the characterization of dust and marine particles along with their mixtures. Atmospheric Measurement Techniques, 2017, 10, 4995-5016.	3.1	42
47	Profiling aerosol optical, microphysical and hygroscopic properties in ambient conditions by combining in situ and remote sensing. Atmospheric Measurement Techniques, 2017, 10, 83-107.	3.1	9
48	Dust impact on surface solar irradiance assessed with model simulations, satellite observations and ground-based measurements. Atmospheric Measurement Techniques, 2017, 10, 2435-2453.	3.1	89
49	An exploratory study on the aerosol height retrieval from OMI measurements of the 477â€‾ nm O<sub>2</sub>â€‰âˆ’â€‰O<sub>2</sub> spectral band using a neural network approach. Atmospheric Measurement Techniques, 2017, 10, 783-809.	3.1	41
50	Simulated Dust Over the Sahara and Mediterranean with a Regional Climate Model (RegCM4). Springer Atmospheric Sciences, 2017, , 615-620.	0.3	0
51	Observation of Arabian and Saharan Dust in Cyprus with a New Generation of the Smart Raman Lidar Polly. EPJ Web of Conferences, 2016, 119, 27003.	0.3	3
52	3D Structure of Saharan Dust Transport Towards Europe as Seen by CALIPSO. EPJ Web of Conferences, 2016, 119, 18007.	0.3	1
53	The automated multiwavelength Raman polarization and water-vapor lidar Polly<sup>XT</sup>: the neXT generation. Atmospheric Measurement Techniques, 2016, 9, 1767-1784.	3.1	249
54	Utilizing The Synergy of Airborne Backscatter Lidar and In-Situ Measurements for Evaluating CALIPSO. EPJ Web of Conferences, 2016, 119, 04007.	0.3	0

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55	Application of the Garrlic Algorithm for the Characterization of Dust and Marine Particles Utilizing the Lidar-Sunphotometer Synergy. EPJ Web of Conferences, 2016, 119, 23021.	0.3	2
56	Aerosols and lightning activity: The effect of vertical profile and aerosol type. Atmospheric Research, 2016, 182, 243-255.	4.1	8
57	Mediterranean intense desert dust outbreaks and their vertical structure based on remote sensing data. Atmospheric Chemistry and Physics, 2016, 16, 8609-8642.	4.9	85
58	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.	4.9	71
59	An overview of the first decade of Polly&lt;sup&gt;NET&lt;/sup&gt;: an emerging network of automated Raman-polarization lidars for continuous aerosol profiling. Atmospheric Chemistry and Physics, 2016, 16, 5111-5137.	4.9	212
60	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
61	Airborne verification of CALIPSO products over the Amazon: a case study of daytime observations in a complex atmospheric scene. Atmospheric Chemistry and Physics, 2014, 14, 11871-11881.	4.9	14
62	Optimizing CALIPSO Saharan dust retrievals. Atmospheric Chemistry and Physics, 2013, 13, 12089-12106.	4.9	120
63	Impact of the 2009 Attica wild fires on the air quality in urban Athens. Atmospheric Environment, 2012, 46, 536-544.	4.1	50