Antonis Gkikas

List of Publications by Year
in descending order

40	1,196	393982	395343
papers	citations	h-index	g-index

78	78	78	1321
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Optimizing CALIPSO Saharan dust retrievals. Atmospheric Chemistry and Physics, 2013, 13, 12089-12106.	1.9	120
2	The regime of intense desert dust episodes in the Mediterranean based on contemporary satellite observations and ground measurements. Atmospheric Chemistry and Physics, 2013, 13, 12135-12154.	1.9	103
3	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
4	Natural versus anthropogenic aerosols in the eastern Mediterranean basin derived from multiyear TOMS and MODIS satellite data. Journal of Geophysical Research, 2009, 114, .	3.3	69
5	Aerosol events in the broader Mediterranean basin based on 7-year (2000â€“2007) MODIS C005 data. Annales Geophysicae, 2009, 27, 3509-3522.	0.6	55
6	Synoptic conditions favouring the occurrence of aerosol episodes over the broader Mediterranean basin. Quarterly Journal of the Royal Meteorological Society, 2012, 138, 932-949.	1.0	53
7	Modls Dust AeroSol (MIDAS): a global fine-resolution dust optical depth data set. Atmospheric Measurement Techniques, 2021, 14, 309-334.	1.2	51
8	From Tropospheric Folding to Khamsin and Foehn Winds: How Atmospheric Dynamics Advanced a Record-Breaking Dust Episode in Crete. Atmosphere, 2018, 9, 240.	1.0	49
9	Atmospheric circulation evolution related to desertâ€dust episodes over the Mediterranean. Quarterly Journal of the Royal Meteorological Society, 2015, 141, 1634-1645.	1.0	46
10	Carbonaceous Aerosols in Contrasting Atmospheric Environments in Greek Cities: Evaluation of the EC-tracer Methods for Secondary Organic Carbon Estimation. Atmosphere, 2020, 11, 161.	1.0	43
11	Cyclone contribution to dust transport over the Mediterranean region. Atmospheric Science Letters, 2015, 16, 473-478.	0.8	41
12	Direct radiative effects during intense Mediterranean desert dust outbreaks. Atmospheric Chemistry and Physics, 2018, 18, 8757-8787.	1.9	41
13	Earth-Observation-Based Estimation and Forecasting of Particulate Matter Impact on Solar Energy in Egypt. Remote Sensing, 2018, 10, 1870.	1.8	39
14	A Decade of Aerosol Optical Properties Measurements over Athens, Greece. Atmosphere, 2020, 11, 154.	1.0	27
15	On the atmospheric circulation characteristics associated with fog in Ioannina, northâ€western Greece. International Journal of Climatology, 2012, 32, 1847-1862.	1.5	26
16	Satellite retrieval of aerosol microphysical and optical parameters using neural networks: a new methodology applied to the Sahara desert dust peak. Atmospheric Measurement Techniques, 2014, 7, 3151-3175.	1.2	23
17	An Assessment of Atmospheric and Meteorological Factors Regulating Red Sea Phytoplankton Growth. Remote Sensing, 2018, 10, 673.	1.8	22
18	15-year variability of desert dust optical depth on global and regional scales. Atmospheric Chemistry and Physics, 2021, 21, 16499-16529.	1.9	22

#	Article	IF	Citations
19	Multi-sectoral impact assessment of an extreme African dust episode in the Eastern Mediterranean in March 2018. Science of the Total Environment, 2022, 843, 156861.	3.9	20
20	Characterization of aerosol episodes in the greater Mediterranean Sea area from satellite observations (2000â€“2007). Atmospheric Environment, 2016, 128, 286-304.	1.9	19
21	Evaluation of the BSC-DREAM8b regional dust model using the 3D LIVAS-CALIPSO product. Atmospheric Environment, 2018, 195, 46-62.	1.9	19
22	Quantification of the dust optical depth across spatiotemporal scales with the MIDAS global dataset (2003â€“2017). Atmospheric Chemistry and Physics, 2022, 22, 3553-3578.	1.9	19
23	The regime of aerosol asymmetry parameter over Europe, the Mediterranean and the Middle East based on MODIS satellite data: evaluation against surface AERONET measurements. Atmospheric Chemistry and Physics, 2015, 15, 13113-13132.	1.9	18
24	A Global Climatology of Dust Aerosols Based on Satellite Data: Spatial, Seasonal and Inter-Annual Patterns over the Period 2005â€“2019. Remote Sensing, 2021, 13, 359.	1.8	18
25	Effects of Aerosols and Clouds on the Levels of Surface Solar Radiation and Solar Energy in Cyprus. Remote Sensing, 2021, 13, 2319.	1.8	17
26	Global Clear-Sky Aerosol Speciated Direct Radiative Effects over 40 Years (1980â€“2019). Atmosphere, 2021, 12, 1254.	1.0	16
27	Is the near-spherical shape the â€œnew blackâ€•for smoke?. Atmospheric Chemistry and Physics, 2020, 20, 14005-14021.	1.9	16
28	Assessing the radiative impacts of an extreme desert dust outbreak and the potential improvements on short-term weather forecasts: The case of February 2015. Atmospheric Research, 2019, 226, 152-170.	1.8	14
29	Forecasting dust impact on solar energy using remote sensing and modeling techniques. Solar Energy, 2021, 228, 317-332.	2.9	14
30	Weather forecast in north-western Greece: RISKMED warnings and verification of MM5 model. Natural Hazards and Earth System Sciences, 2010, 10, 383-394.	1.5	12
31	15-Year Analysis of Direct Effects of Total and Dust Aerosols in Solar Radiation/Energy over the Mediterranean Basin. Remote Sensing, 2022, 14, 1535.	1.8	7
32	Dust Climatology of Turkey as a Part of the Eastern Mediterranean Basin via 9-Year CALIPSO-Derived Product. Atmosphere, 2022, 13, 733.	1.0	7
33	A Climatological Assessment of Intense Desert Dust Episodes over the Broader Mediterranean Basin Based on Satellite Data. Remote Sensing, 2021, 13, 2895.	1.8	6
34	The RISKMED project: philosophy, methods and products. Natural Hazards and Earth System Sciences, 2010, 10, 1393-1401.	1.5	6
35	Estimating Aerosol Optical Depth Over the Broader Greek Area from MODIS Satellite. Water, Air, and Soil Pollution, 2013, 224, 1.	1.1	4
36	A Climatological Satellite Assessment of Absorbing Carbonaceous Aerosols on a Global Scale. Atmosphere, 2019, 10, 671.	1.0	3

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37	Estimation of cloud optical thickness, single scattering albedo and effective droplet radius using a shortwave radiative closure study in Payerne. Atmospheric Measurement Techniques, 2020, 13, 907-923.	1.2	2
38	Aerosol Size over the Broader Greek Area Based on Satellite and Ground Measurements. Springer Atmospheric Sciences, 2013, , 1055-1061.	0.4	0
39	Optical Properties and Direct Radiative Effects of Aerosol Species at the Global Scale Based on the Synergistic Use of MERRA-2 Optical Properties and the FORTH Radiative Transfer Model. Environmental Sciences Proceedings, 2021, 4, 4.	0.3	0
40	A 15-Year Climatology of Desert Dust Episodes in the Broader Mediterranean Basin. Environmental Sciences Proceedings, 2021, 4, 1.	0.3	0